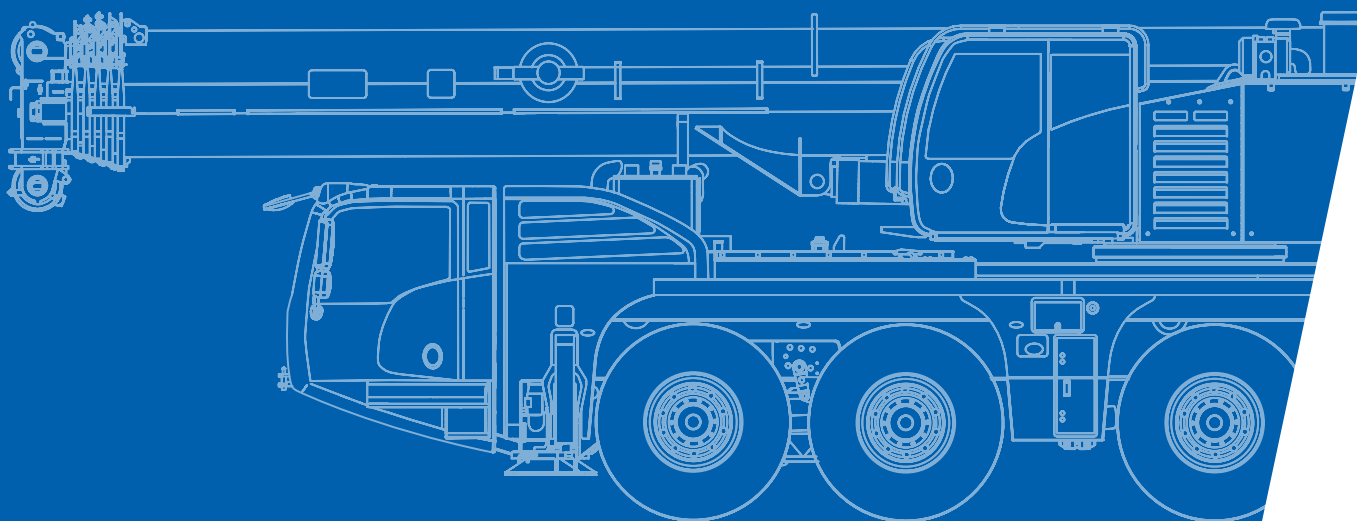


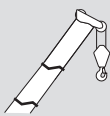
# AC 100-4 / AC 100-4 L



**All Terrain Crane  
120 USt Capacity class**

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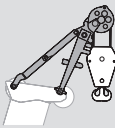
  

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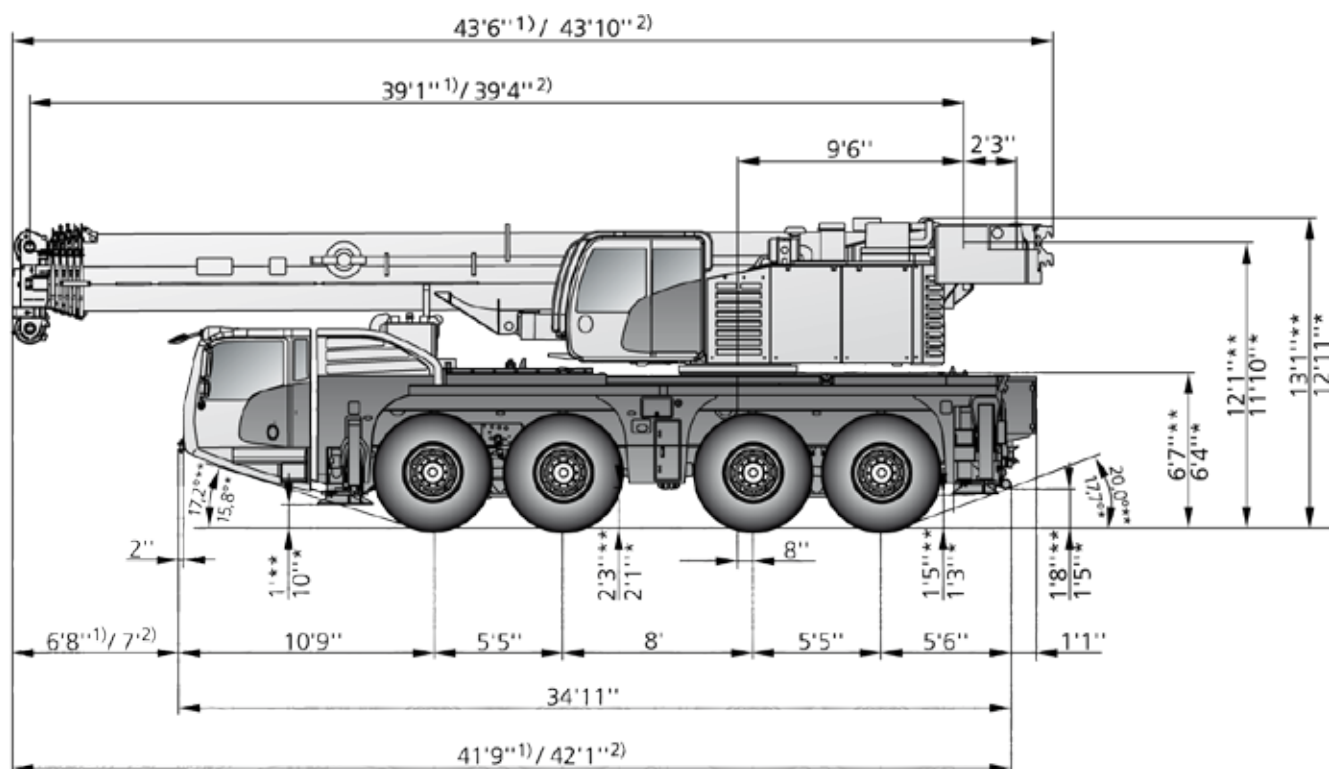
  

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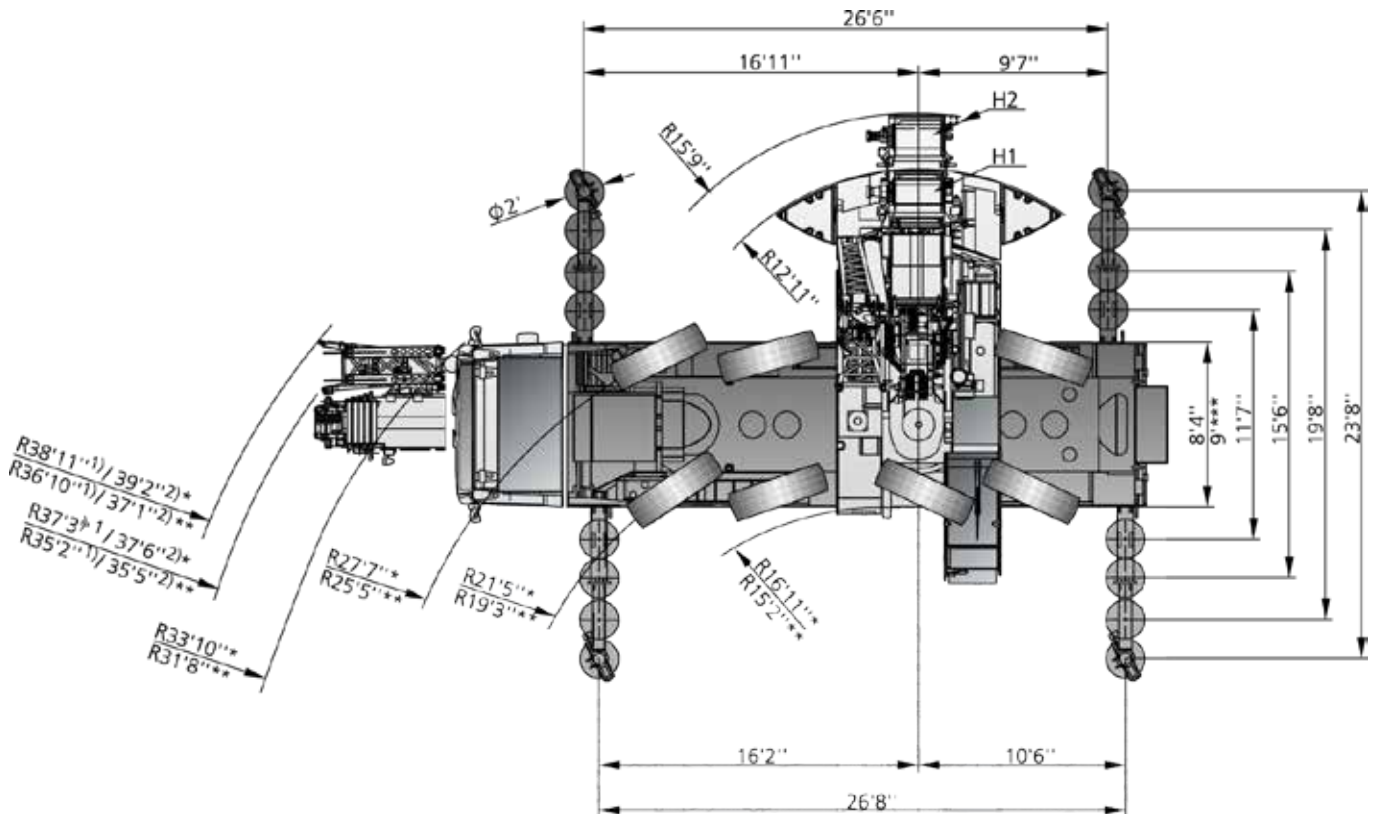
|                                                                                     |                                         |                                                                                     |                                             |
|-------------------------------------------------------------------------------------|---------------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



1) 164.4 ft    2) 194.9 ft

\* 385/95 R25

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



1) 164.4 ft 2) 194.9 ft

\* steering mode 2

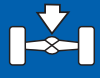
\*\* steering mode 3

\*\*\* 525/80 R25

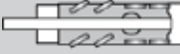
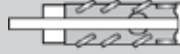
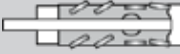
see page 6

# Specifications

## AC 100-4 / AC 100-4L

|  |             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                                                                                                         |   |                                                                                     |
|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|
|  | Total       |  |  |  |  |  |   |   |  |
| < 22,100 lb                                                                       | on request! |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                                                                                                         |   | X                                                                                   |
| 26,500 lb                                                                         | 106,000 lb  | 8 x 4 x 8                                                                         | 445/95R25                                                                         | 20-1-18                                                                           | 13,400 lb                                                                          | –                                                                                   | X                                                                                                                                                                       | – | –                                                                                   |
| 26,500 lb                                                                         | 106,000 lb  | 8 x 6 x 8                                                                         | 445/95R25                                                                         | 8-0-18                                                                            | 9,500 lb                                                                           | 62.3 ft                                                                             | X                                                                                                                                                                       | – | –                                                                                   |
| 32,000 lb                                                                         | 117,000 lb  | 8 x 6 x 8                                                                         | 445/95R25                                                                         | 50-3-18                                                                           | 19,000 lb                                                                          | 62.3 ft                                                                             | X                                                                                                                                                                       | – | –                                                                                   |
| 36,400 lb                                                                         | 141,000 lb  | 8 x 6 x 8                                                                         | 445/95R25                                                                         | 50-3-18                                                                           | 42,500 lb                                                                          | 62.3 ft                                                                             | X                                                                                                                                                                       | – | –                                                                                   |
| 26,500 lb                                                                         | 106,000 lb  | 8 x 6 x 8                                                                         | 445/95R25                                                                         | 50-3-18                                                                           | 9,500 lb                                                                           | –                                                                                   | –                                                                                                                                                                       | X | –                                                                                   |
| 26,500 lb                                                                         | 106,000 lb  | 8 x 4 x 8                                                                         | 445/95R25                                                                         | –                                                                                 | 9,500 lb                                                                           | 32.8 ft                                                                             | –                                                                                                                                                                       | X | –                                                                                   |
| 32,000 lb                                                                         | 117,000 lb  | 8 x 4 x 8                                                                         | 385/95R25                                                                         | 8-0-18                                                                            | 19,000 lb                                                                          | 62.3 ft                                                                             | –                                                                                                                                                                       | X | –                                                                                   |
| 36,400 lb                                                                         | 143,300 lb  | 8 x 6 x 8                                                                         | 445/95R25                                                                         | 50-3-18                                                                           | 42,500 lb                                                                          | 62.3 ft                                                                             | –                                                                                                                                                                       | X | –                                                                                   |

Further configurations on request

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

\* must be activated

|  |           |            |  |
|-------------------------------------------------------------------------------------|-----------|------------|-------------------------------------------------------------------------------------|
|                                                                                     | 94,800 lb | 134,500 lb | max. 52.8 mph <sup>1)</sup>                                                         |
|  | 22.4"     | 25.2"      |                                                                                     |

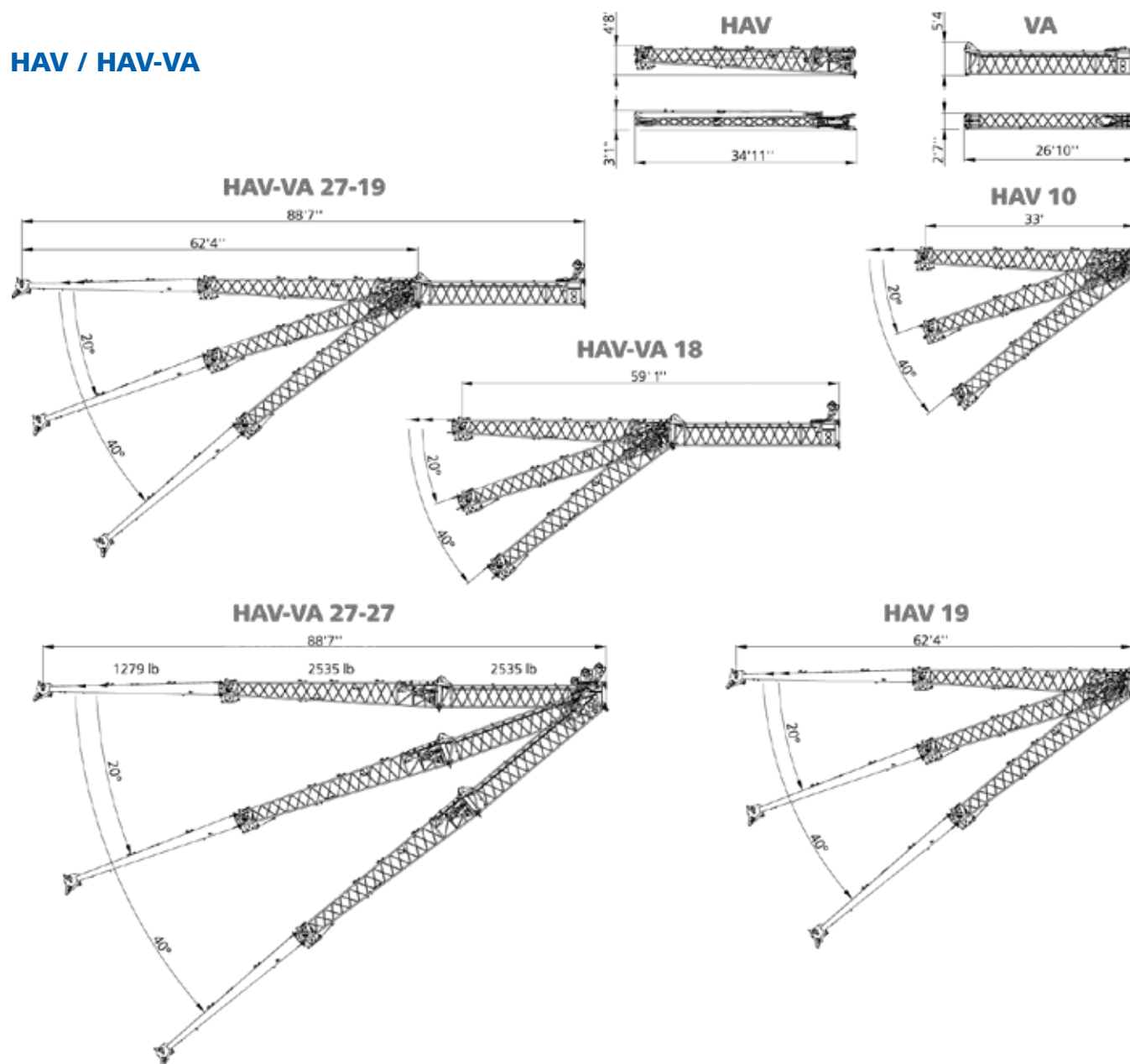
<sup>1)</sup> Depending on tire type, size and country specific legislation

|  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                     |  |  |  |  |
| 1                                                                                   | 361 ft/min                                                                          | 14,500 lb                                                                           | 0.72"                                                                               | 870 ft                                                                              |
| 2                                                                                   | 361 ft/min                                                                          | 14,500 lb                                                                           | 0.72"                                                                               | 870 ft                                                                              |
|  | 1,9 min <sup>-1</sup>                                                               |                                                                                     |                                                                                     |                                                                                     |
|  | approx 490 s<br>(39.4 ft - 164.4 ft)                                                |                                                                                     |                                                                                     |                                                                                     |
|  | approx 590 s<br>(39.4 ft - 194.9 ft)                                                |                                                                                     |                                                                                     |                                                                                     |
|  | ca. 60 s (0° - 82°)                                                                 |                                                                                     |                                                                                     |                                                                                     |

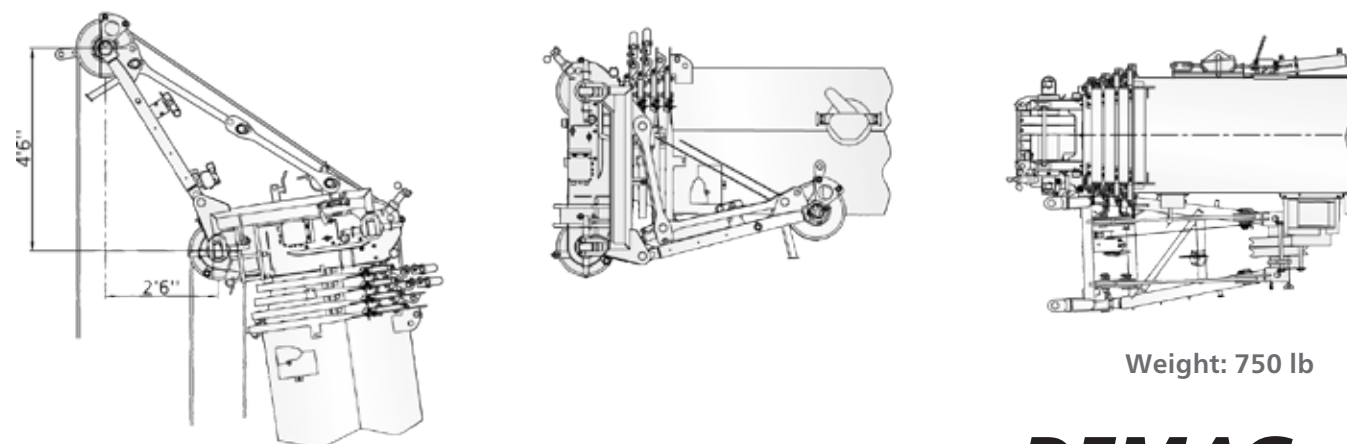
|  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1                                                                                   | 15,000 lb                                                                            | 8-0-18                                                                                | 4                                                                                     | 375 lb                                                                                | 3.3 ft                                                                                |
| 2                                                                                   | 29,500 lb                                                                            | 20-1-18                                                                               | 4                                                                                     | 662 lb                                                                                | 5.9 ft                                                                                |
| 3                                                                                   | 44,100 lb                                                                            | 20-1-18                                                                               | 4                                                                                     | 662 lb                                                                                | 5.9 ft                                                                                |
| 4                                                                                   | 58,600 lb                                                                            | 50-3-18                                                                               | 4                                                                                     | 1,210 lb                                                                              | 5.9 ft                                                                                |
| 5                                                                                   | 73,000 lb                                                                            | 50-3-18                                                                               | 4                                                                                     | 1,210 lb                                                                              | 5.9 ft                                                                                |
| 6                                                                                   | 87,100 lb                                                                            | 50-3-18                                                                               | 4                                                                                     | 1,210 lb                                                                              | 5.9 ft                                                                                |
| 7                                                                                   | 101,200 lb                                                                           | 50-3-18                                                                               | 4                                                                                     | 1,210 lb                                                                              | 5.9 ft                                                                                |
| 8                                                                                   | 114,900 lb                                                                           | 80-5-18                                                                               | 4                                                                                     | 1,430 lb                                                                              | 6.6 ft                                                                                |
| 9                                                                                   | 128,800 lb                                                                           | 80-5-18                                                                               | 4 + 1                                                                                 | 1,430 lb                                                                              | 6.6 ft                                                                                |
| 10                                                                                  | 142,200 lb                                                                           | 80-5-18                                                                               | 4 + 1                                                                                 | 1,430 lb                                                                              | 6.6 ft                                                                                |
| 11                                                                                  | 155,700 lb                                                                           | 80-5-18                                                                               | 4 + 1 + 2                                                                             | 1,430 lb                                                                              | 6.6 ft                                                                                |
| 12                                                                                  | 169,100 lb                                                                           | 100-7-18                                                                              | 4 + 1 + 2                                                                             | 1,650 lb                                                                              | 6.6 ft                                                                                |
| 13                                                                                  | 176,400 lb                                                                           | 100-7-18                                                                              | 4 + 1 + 2                                                                             | 1,650 lb                                                                              | 6.6 ft                                                                                |

|  |                           |                           |                           |
|--------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|
|   | 385 / 95 R25<br>14.00 R25 | 445 / 95 R25<br>16.00 R25 | 525 / 80 R25<br>20.50 R25 |
|   | 45 %                      | 40 %                      | 40 %                      |
|   | > 70 %                    | > 60 %                    | > 60 %                    |

### HAV / HAV-VA



### MS

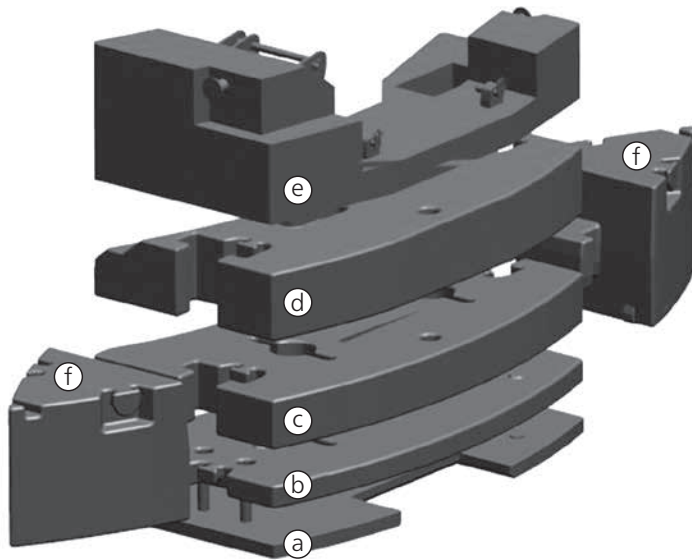


Weight: 750 lb

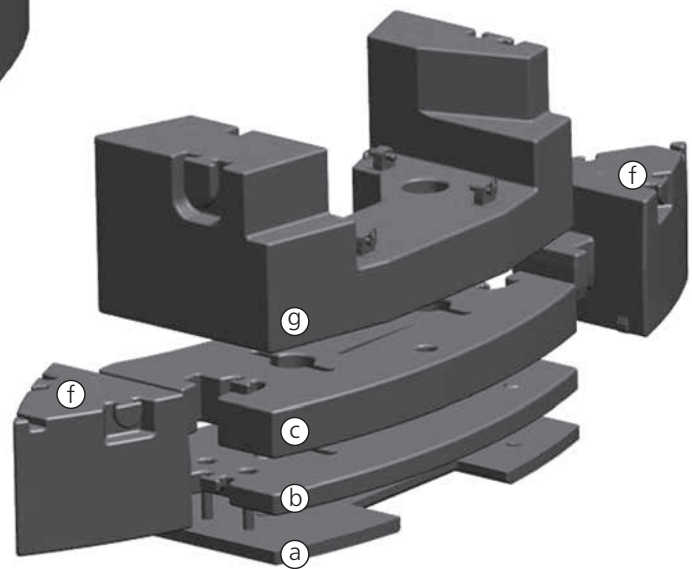
# Counterweight

AC 100-4 / AC 100-4L

## Parts



STANDARD



SPECIAL

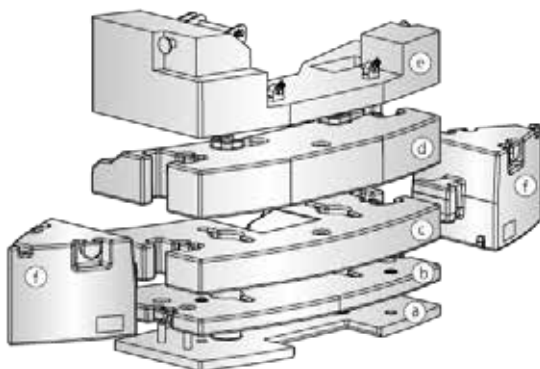
## Configurations

|          |           | Ⓐ 4,000 lb | Ⓑ 5,500 lb | Ⓒ 10,600 lb | Ⓓ 13,000 lb | Ⓔ 9,500 lb | Ⓕ 5,700 lb | Ⓖ 5,700 lb | Ⓙ 22,500 lb |
|----------|-----------|------------|------------|-------------|-------------|------------|------------|------------|-------------|
| STANDARD | 0 lb      |            |            |             |             |            |            |            |             |
|          | 4,000 lb  | X          |            |             |             |            |            |            |             |
|          | 9,500 lb  |            |            |             |             | X          |            |            |             |
|          | 9,500 lb  | X          | X          |             |             |            |            |            |             |
|          | 13,400 lb | X          |            |             |             | X          |            |            |             |
|          | 19,000 lb | X          | X          |             |             | X          |            |            |             |
|          | 20,000 lb | X          | X          | X           |             |            |            |            |             |
|          | 29,500 lb | X          | X          | X           |             | X          |            |            |             |
|          | 33,000 lb | X          | X          | X           | X           |            |            |            |             |
|          | 42,500 lb | X          | X          | X           | X           | X          |            |            |             |
|          | 44,500 lb | X          | X          | X           | X           |            | X          | X          |             |
|          | 54,000 lb | X          | X          | X           | X           | X          | X          | X          |             |
| SPECIAL  | 22,500 lb |            |            |             |             |            |            |            | X           |
|          | 26,500 lb | X          |            |             |             |            |            |            | X           |
|          | 32,000 lb | X          | X          |             |             |            |            |            | X           |
|          | 42,500 lb | X          | X          | X           |             |            |            |            | X           |
|          | 54,000 lb | X          | X          | X           |             |            | X          | X          | X           |

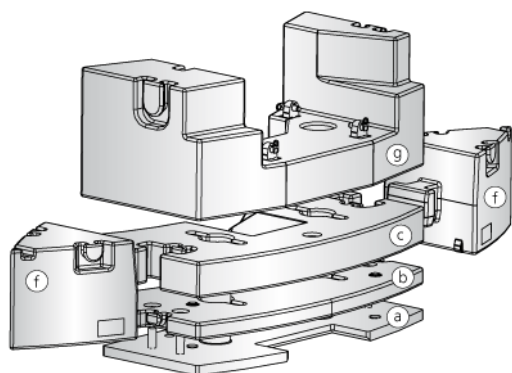
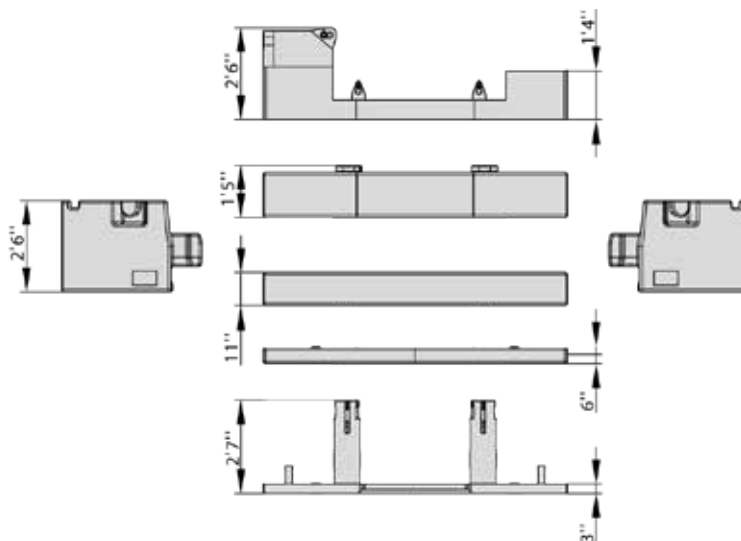
# Counterweight

AC 100-4 / AC 100-4L

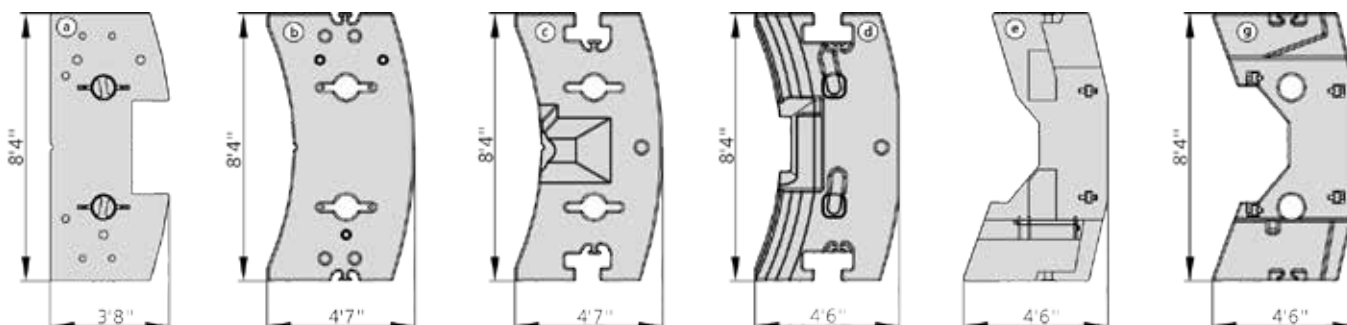
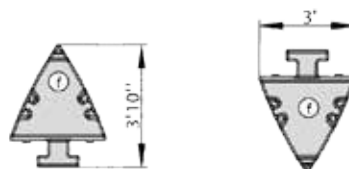
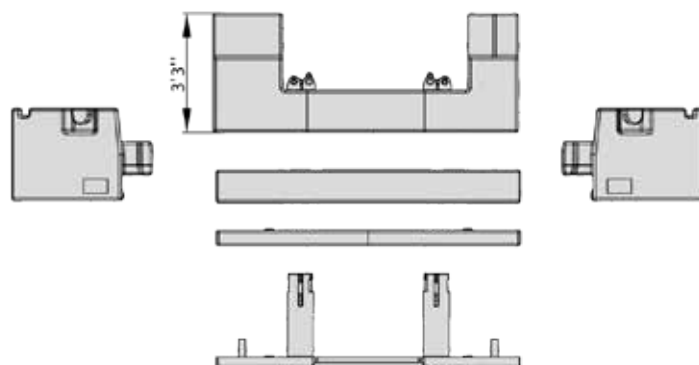
## Parts

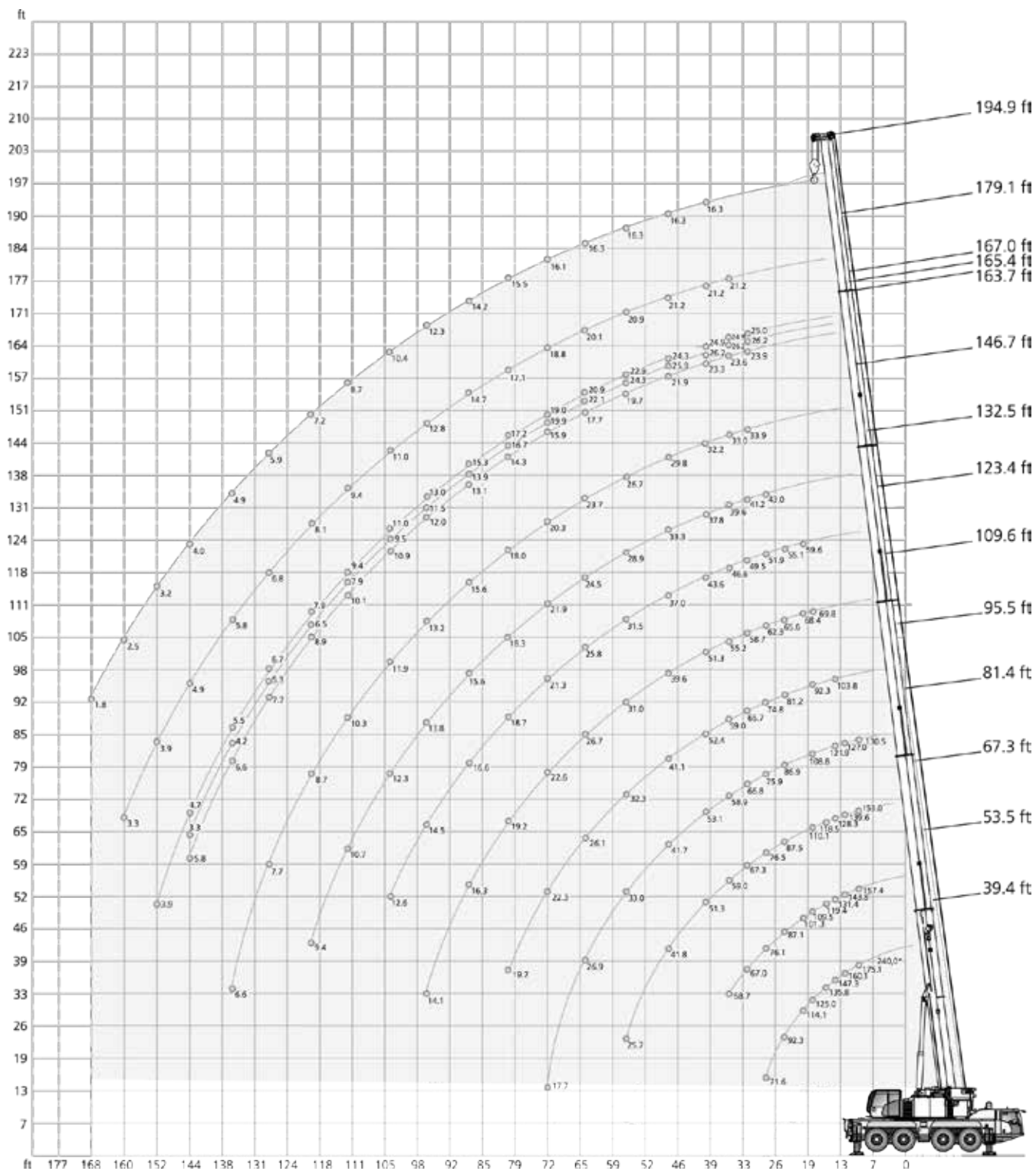
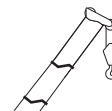


STANDARD



SPECIAL





\* Capacity class

|  54,000 lb |          |  26.6 ft x 23.6 ft |       | 360°  |       |       |       |      |      |      |      |       |       |       |       | 85 %  |       |       |       |                                                                                     |
|---------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
|  (0°)      | 39.4     | 39.4                                                                                                | 53.5  | 67.3  | 81.4  | 95.5  | 109.6 | (ft) |      |      |      | 123.4 | 132.5 | 146.7 | 163.7 | 165.4 | 167.0 | 179.1 | 194.9 |  |
| ft                                                                                          | 1,000 lb |                                                                                                     |       |       |       |       |       |      |      |      |      |       |       |       |       |       |       |       |       | ft                                                                                  |
|                                                                                             | 240.0*   | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     |                                                                                     |
| 10                                                                                          | 175.1    | 161.2                                                                                               | 157.4 | 153.0 | 130.5 | -     | -     | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 10                                                                                  |
| 12                                                                                          | 160.1    | 145.0                                                                                               | 143.8 | 139.6 | 127.0 | -     | -     | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 12                                                                                  |
| 14                                                                                          | 147.3    | 130.8                                                                                               | 131.4 | 128.3 | 121.9 | 103.8 | -     | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 14                                                                                  |
| 16                                                                                          | 135.8    | 118.5                                                                                               | 119.4 | 118.5 | 116.1 | 97.8  | -     | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 16                                                                                  |
| 18                                                                                          | 125.0    | 108.6                                                                                               | 109.5 | 110.1 | 108.8 | 92.3  | 69.8  | -    | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 18                                                                                  |
| 20                                                                                          | 114.1    | 99.4                                                                                                | 101.3 | 101.6 | 101.1 | 87.2  | 68.4  | 59.6 | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 20                                                                                  |
| 24                                                                                          | 92.3     | 85.3                                                                                                | 87.1  | 87.5  | 86.9  | 81.2  | 65.6  | 55.1 | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 24                                                                                  |
| 28                                                                                          | 71.6     | 67.1                                                                                                | 76.1  | 76.5  | 75.9  | 74.8  | 62.3  | 51.9 | 43.0 | -    | -    | -     | -     | -     | -     | -     | -     | -     | -     | 28                                                                                  |
| 32                                                                                          | -        | -                                                                                                   | 67.0  | 67.3  | 66.8  | 65.7  | 58.7  | 49.5 | 41.2 | 33.9 | 23.9 | 26.2  | 25.0  | -     | -     | -     | -     | -     | -     | 32                                                                                  |
| 36                                                                                          | -        | -                                                                                                   | 58.7  | 59.0  | 58.9  | 59.0  | 55.2  | 46.6 | 39.6 | 33.0 | 23.6 | 26.2  | 24.9  | 21.2  | -     | -     | -     | -     | -     | 36                                                                                  |
| 40                                                                                          | -        | -                                                                                                   | -     | 51.3  | 53.1  | 52.4  | 51.3  | 43.6 | 37.8 | 32.2 | 23.3 | 26.2  | 24.9  | 21.2  | 16.3  | -     | -     | -     | -     | 40                                                                                  |
| 48                                                                                          | -        | -                                                                                                   | -     | 41.8  | 41.7  | 41.1  | 39.6  | 37.0 | 33.3 | 29.8 | 21.9 | 25.9  | 24.3  | 21.2  | 16.3  | -     | -     | -     | -     | 48                                                                                  |
| 56                                                                                          | -        | -                                                                                                   | -     | 25.7  | 33.0  | 32.3  | 31.0  | 31.5 | 28.9 | 26.7 | 19.7 | 24.3  | 22.9  | 20.9  | 16.3  | -     | -     | -     | -     | 56                                                                                  |
| 64                                                                                          | -        | -                                                                                                   | -     | -     | 26.9  | 26.1  | 26.7  | 25.8 | 24.5 | 23.7 | 17.7 | 22.1  | 20.9  | 20.1  | 16.3  | -     | -     | -     | -     | 64                                                                                  |
| 72                                                                                          | -        | -                                                                                                   | -     | -     | 17.7  | 22.3  | 22.6  | 21.3 | 21.9 | 20.3 | 15.9 | 19.9  | 19.0  | 18.8  | 16.1  | -     | -     | -     | -     | 72                                                                                  |
| 80                                                                                          | -        | -                                                                                                   | -     | -     | -     | 19.7  | 19.2  | 18.7 | 18.3 | 18.0 | 14.3 | 16.7  | 17.2  | 17.1  | 15.5  | -     | -     | -     | -     | 80                                                                                  |
| 88                                                                                          | -        | -                                                                                                   | -     | -     | -     | 9.3   | 16.3  | 16.6 | 15.6 | 15.6 | 13.1 | 13.9  | 15.3  | 14.7  | 14.2  | -     | -     | -     | -     | 88                                                                                  |
| 96                                                                                          | -        | -                                                                                                   | -     | -     | -     | -     | 14.1  | 14.5 | 13.8 | 13.2 | 12.0 | 11.5  | 13.0  | 12.8  | 12.3  | -     | -     | -     | -     | 96                                                                                  |
| 104                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | 8.9   | 12.6 | 12.3 | 11.9 | 10.9 | 9.5   | 11.0  | 11.0  | 10.4  | -     | -     | -     | -     | 104                                                                                 |
| 112                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | 10.7 | 10.3 | 10.1 | 7.9   | 9.4   | 9.4   | 8.7   | -     | -     | -     | -     | 112                                                                                 |
| 120                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | 9.4  | 8.7  | 8.9  | 6.5   | 7.9   | 8.1   | 7.2   | -     | -     | -     | -     | 120                                                                                 |
| 128                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | 7.7  | 7.7  | 5.3   | 6.7   | 6.8   | 5.9   | -     | -     | -     | -     | 128                                                                                 |
| 136                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | 6.6  | 6.6  | 4.2   | 5.5   | 5.8   | 4.9   | -     | -     | -     | -     | 136                                                                                 |
| 144                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | -    | 5.8  | 3.3   | 4.7   | 4.9   | 4.0   | -     | -     | -     | -     | 144                                                                                 |
| 152                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -     | 3.9   | 3.9   | 3.2   | -     | -     | -     | -     | 152                                                                                 |
| 160                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -     | -     | 3.3   | 2.5   | -     | -     | -     | -     | 160                                                                                 |
| 168                                                                                         | -        | -                                                                                                   | -     | -     | -     | -     | -     | -    | -    | -    | -    | -     | -     | -     | 1.8   | -     | -     | -     | -     | 168                                                                                 |

\* Capacity class

| 42,500 lb |                | 26.6 ft x 23.6 ft |                | 360° / Max.*   |                |                |                |                |                |                |                 |                 |                 | 85%             |     |
|-----------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----|
| ft        | 360°<br>39.4ft | Max.<br>39.4ft    | 360°<br>53.5ft | Max.<br>53.5ft | 360°<br>67.3ft | Max.<br>67.3ft | 360°<br>81.4ft | Max.<br>81.4ft | 360°<br>95.5ft | Max.<br>95.5ft | 360°<br>109.6ft | Max.<br>109.6ft | 360°<br>123.4ft | Max.<br>123.4ft | ft  |
| 1,000 lb  |                |                   |                |                |                |                |                |                |                |                |                 |                 |                 |                 |     |
| 10        | 160.5          | 161.2             | 157.4          | 157.4          | 153.0          | 153.0          | 130.5          | 130.5          | -              | -              | -               | -               | -               | -               | 10  |
| 12        | 143.9          | 145.0             | 143.6          | 143.9          | 139.6          | 139.6          | 127.0          | 127.0          | -              | -              | -               | -               | -               | -               | 12  |
| 14        | 129.4          | 130.8             | 130.1          | 131.4          | 128.3          | 128.3          | 121.9          | 121.9          | 103.8          | 103.8          | -               | -               | -               | -               | 14  |
| 16        | 117.2          | 118.5             | 118.0          | 119.4          | 118.4          | 118.5          | 116.1          | 116.1          | 97.8           | 97.8           | -               | -               | -               | -               | 16  |
| 18        | 107.4          | 108.6             | 109.0          | 109.5          | 109.6          | 110.1          | 108.2          | 108.7          | 92.3           | 92.3           | 69.8            | 69.8            | -               | -               | 18  |
| 20        | 98.3           | 99.4              | 100.2          | 101.3          | 100.5          | 101.6          | 100.0          | 101.1          | 87.2           | 87.2           | 68.4            | 68.4            | 59.6            | 59.6            | 20  |
| 24        | 84.2           | 85.3              | 86.2           | 87.1           | 86.5           | 87.5           | 86.0           | 86.9           | 81.1           | 81.2           | 65.6            | 65.6            | 55.1            | 55.1            | 24  |
| 28        | 66.7           | 67.1              | 74.4           | 74.9           | 74.7           | 75.2           | 74.2           | 74.7           | 73.2           | 73.5           | 62.3            | 62.3            | 51.9            | 51.9            | 28  |
| 32        | -              | -                 | 63.2           | 64.0           | 63.7           | 64.2           | 64.3           | 64.5           | 63.6           | 64.0           | 58.7            | 58.7            | 49.5            | 49.5            | 32  |
| 36        | -              | -                 | 54.2           | 55.6           | 54.6           | 55.8           | 56.5           | 57.5           | 55.7           | 56.8           | 52.6            | 53.6            | 46.6            | 46.6            | 36  |
| 40        | -              | -                 | -              | -              | 48.4           | 49.5           | 48.4           | 50.1           | 47.5           | 49.2           | 46.0            | 47.9            | 43.3            | 43.5            | 40  |
| 48        | -              | -                 | -              | -              | 36.5           | 38.1           | 36.5           | 38.0           | 35.6           | 37.3           | 34.3            | 36.1            | 35.0            | 35.6            | 48  |
| 56        | -              | -                 | -              | -              | 23.0           | 24.5           | 28.7           | 30.0           | 27.8           | 29.4           | 28.8            | 29.4            | 27.7            | 29.1            | 56  |
| 64        | -              | -                 | -              | -              | -              | -              | 23.1           | 24.4           | 24.0           | 24.6           | 23.5            | 24.8            | 22.6            | 23.5            | 64  |
| 72        | -              | -                 | -              | -              | -              | -              | 17.0           | 17.0           | 20.1           | 21.2           | 19.3            | 20.6            | 19.7            | 20.3            | 72  |
| 80        | -              | -                 | -              | -              | -              | -              | -              | -              | 17.0           | 18.1           | 16.5            | 17.4            | 16.6            | 17.7            | 80  |
| 88        | -              | -                 | -              | -              | -              | -              | -              | -              | 9.3            | 9.2            | 14.9            | 15.2            | 14.0            | 15.1            | 88  |
| 96        | -              | -                 | -              | -              | -              | -              | -              | -              | -              | -              | 12.9            | 13.7            | 12.5            | 13.1            | 96  |
| 104       | -              | -                 | -              | -              | -              | -              | -              | -              | -              | -              | 8.9             | 8.9             | 10.8            | 11.4            | 104 |

| ft       | 360°<br>132.5ft | Max.<br>132.5ft | 360°<br>146.7ft | Max.<br>146.7ft | 360°<br>163.7ft | Max.<br>163.7ft | 360°<br>165.4ft | Max.<br>165.4ft | 360°<br>167.0ft | Max.<br>167.0ft | 360°<br>179.1ft | Max.<br>179.1ft | 360°<br>194.9ft | Max.<br>194.9ft | ft  |
|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|
| 1,000 lb |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| 28       | 43.0            | 43.0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28  |
| 32       | 41.2            | 41.2            | 33.9            | 33.9            | 23.9            | 26.2            | 26.2            | 26.2            | 25.0            | 25.0            | -               | -               | -               | -               | 32  |
| 36       | 39.6            | 39.6            | 33.0            | 33.0            | 23.6            | 26.2            | 26.2            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | -               | -               | 36  |
| 40       | 37.8            | 37.8            | 32.2            | 32.2            | 23.3            | 26.2            | 26.2            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | 16.3            | 16.3            | 40  |
| 48       | 32.4            | 33.0            | 29.8            | 29.8            | 21.9            | 25.9            | 25.9            | 25.9            | 24.3            | 24.3            | 21.2            | 21.2            | 16.3            | 16.3            | 48  |
| 56       | 26.7            | 27.4            | 25.5            | 26.5            | 19.7            | 24.3            | 24.3            | 24.3            | 22.9            | 22.9            | 20.9            | 20.9            | 16.3            | 16.3            | 56  |
| 64       | 22.7            | 23.6            | 21.9            | 22.6            | 17.7            | 22.1            | 20.9            | 22.1            | 20.9            | 20.9            | 20.1            | 20.1            | 16.3            | 16.3            | 64  |
| 72       | 18.6            | 19.9            | 18.6            | 19.7            | 15.9            | 19.0            | 17.1            | 18.4            | 18.4            | 19.0            | 17.7            | 18.8            | 16.1            | 16.1            | 72  |
| 80       | 16.4            | 16.8            | 15.9            | 16.8            | 14.3            | 16.6            | 13.9            | 15.2            | 15.2            | 16.6            | 15.3            | 15.9            | 14.2            | 15.4            | 80  |
| 88       | 14.0            | 14.9            | 13.5            | 14.4            | 13.1            | 14.0            | 11.2            | 12.6            | 12.6            | 14.0            | 12.9            | 13.8            | 11.8            | 13.3            | 88  |
| 96       | 12.0            | 13.1            | 11.4            | 12.6            | 11.6            | 12.0            | 9.0             | 10.5            | 10.5            | 11.8            | 10.7            | 11.9            | 9.8             | 11.2            | 96  |
| 104      | 10.2            | 11.3            | 9.8             | 10.8            | 9.9             | 10.9            | 7.3             | 8.6             | 8.8             | 9.9             | 8.8             | 10.1            | 8.1             | 9.5             | 104 |
| 112      | 8.7             | 9.8             | 9.0             | 9.2             | 8.3             | 9.4             | 5.9             | 7.2             | 7.2             | 8.5             | 7.4             | 8.5             | 6.5             | 7.9             | 112 |
| 120      | 7.5             | 8.6             | 7.7             | 8.3             | 7.0             | 8.1             | 4.6             | 5.9             | 5.9             | 7.2             | 6.1             | 7.2             | 5.3             | 6.6             | 120 |
| 128      | -               | -               | 6.6             | 7.6             | 5.9             | 7.0             | 3.5             | 4.8             | 4.8             | 6.2             | 5.1             | 6.2             | 4.2             | 5.5             | 128 |
| 136      | -               | -               | 4.8             | 5.9             | 5.0             | 6.1             | 2.6             | 3.9             | 3.9             | 5.1             | 4.0             | 5.3             | 3.3             | 4.4             | 136 |
| 144      | -               | -               | -               | -               | 4.2             | 5.1             | 1.8             | 3.1             | 3.1             | 4.2             | 3.1             | 4.4             | 2.5             | 3.6             | 144 |
| 152      | -               | -               | -               | -               | -               | -               | -               | -               | 2.4             | -               | 2.5             | 3.6             | -               | 3.0             | 152 |
| 160      | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 1.8             | 2.9             | -               | 2.3             | 160 |

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

|  19,000 lb |          |  26.6 ft x 23.6 ft |        | 360° / Max.* |        |        |        |        |        |         |         |         |         | 85 % |      |                                                                                     |
|---------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|--------|--------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|------|------|-------------------------------------------------------------------------------------|
|  360°      | Max.     | 360°                                                                                                | Max.   | 360°         | Max.   | 360°   | Max.   | 360°   | Max.   | 360°    | Max.    | 360°    | Max.    | 360° | Max. |  |
| 39.4ft                                                                                      | 39.4ft   | 53.5ft                                                                                              | 53.5ft | 67.3ft       | 67.3ft | 81.4ft | 81.4ft | 95.5ft | 95.5ft | 109.6ft | 109.6ft | 123.4ft | 123.4ft |      |      |                                                                                     |
| ft                                                                                          | 1,000 lb |                                                                                                     |        |              |        |        |        |        |        |         |         |         |         |      | ft   |                                                                                     |
| 10                                                                                          | 158.0    | 161.2                                                                                               | 157.2  | 157.4        | 153.0  | 153.0  | 130.5  | 130.5  | -      | -       | -       | -       | -       | -    | -    | 10                                                                                  |
| 12                                                                                          | 140.7    | 145.0                                                                                               | 141.4  | 143.9        | 139.5  | 139.6  | 127.0  | 127.0  | -      | -       | -       | -       | -       | -    | -    | 12                                                                                  |
| 14                                                                                          | 126.4    | 130.8                                                                                               | 127.3  | 131.4        | 126.9  | 128.3  | 121.9  | 121.9  | 103.8  | 103.8   | -       | -       | -       | -    | -    | 14                                                                                  |
| 16                                                                                          | 114.5    | 118.5                                                                                               | 115.9  | 119.4        | 116.3  | 118.5  | 115.3  | 116.1  | 97.8   | 97.8    | -       | -       | -       | -    | -    | 16                                                                                  |
| 18                                                                                          | 104.8    | 107.7                                                                                               | 106.7  | 108.9        | 106.9  | 109.5  | 105.3  | 108.0  | 91.8   | 92.3    | 69.8    | 69.8    | -       | -    | -    | 18                                                                                  |
| 20                                                                                          | 95.4     | 97.2                                                                                                | 97.4   | 99.6         | 97.7   | 99.8   | 94.6   | 99.2   | 85.3   | 87.2    | 68.4    | 68.4    | 59.6    | 59.6 | -    | 20                                                                                  |
| 24                                                                                          | 75.1     | 78.4                                                                                                | 77.9   | 80.5         | 78.6   | 80.8   | 73.9   | 80.3   | 69.2   | 78.6    | 63.8    | 65.6    | 55.1    | 55.1 | -    | 24                                                                                  |
| 28                                                                                          | 58.0     | 63.2                                                                                                | 61.2   | 67.0         | 62.2   | 67.4   | 62.8   | 67.6   | 58.9   | 66.3    | 53.8    | 62.3    | 49.4    | 51.9 | -    | 28                                                                                  |
| 32                                                                                          | -        | -                                                                                                   | 48.9   | 57.0         | 50.8   | 58.4   | 50.7   | 58.8   | 49.2   | 58.3    | 46.4    | 56.7    | 43.0    | 49.5 | -    | 32                                                                                  |
| 36                                                                                          | -        | -                                                                                                   | 40.8   | 49.8         | 42.3   | 51.6   | 42.2   | 51.5   | 41.3   | 51.0    | 40.5    | 49.9    | 38.4    | 46.3 | -    | 36                                                                                  |
| 40                                                                                          | -        | -                                                                                                   | -      | -            | 34.9   | 45.1   | 34.9   | 45.1   | 34.9   | 44.4    | 35.4    | 43.4    | 33.7    | 42.6 | -    | 40                                                                                  |
| 48                                                                                          | -        | -                                                                                                   | -      | -            | 25.8   | 36.1   | 27.1   | 36.0   | 27.1   | 35.5    | 26.3    | 34.3    | 26.7    | 35.2 | -    | 48                                                                                  |
| 56                                                                                          | -        | -                                                                                                   | -      | -            | 17.7   | 23.5   | 21.4   | 29.1   | 21.0   | 28.5    | 21.4    | 29.1    | 21.0    | 28.1 | -    | 56                                                                                  |
| 64                                                                                          | -        | -                                                                                                   | -      | -            | -      | -      | 17.1   | 23.8   | 17.3   | 24.5    | 17.1    | 24.1    | 17.1    | 22.7 | -    | 64                                                                                  |
| 72                                                                                          | -        | -                                                                                                   | -      | -            | -      | -      | 14.0   | 17.0   | 14.2   | 20.6    | 14.0    | 19.9    | 13.7    | 20.3 | -    | 72                                                                                  |
| 80                                                                                          | -        | -                                                                                                   | -      | -            | -      | -      | -      | -      | 11.8   | 17.6    | 11.4    | 16.7    | 11.3    | 17.2 | -    | 80                                                                                  |
| 88                                                                                          | -        | -                                                                                                   | -      | -            | -      | -      | -      | -      | 9.3    | 9.2     | 9.6     | 15.2    | 9.2     | 14.5 | -    | 88                                                                                  |
| 96                                                                                          | -        | -                                                                                                   | -      | -            | -      | -      | -      | -      | -      | -       | 8.0     | 13.4    | 7.5     | 12.6 | -    | 96                                                                                  |
| 104                                                                                         | -        | -                                                                                                   | -      | -            | -      | -      | -      | -      | -      | -       | 6.6     | 8.9     | 6.1     | 11.4 | -    | 104                                                                                 |

|  |  | 360°<br>132.5ft | Max.<br>132.5ft | 360°<br>146.7ft | Max.<br>146.7ft | 360°<br>163.7ft | Max.<br>163.7ft | 360°<br>165.4ft | Max.<br>165.4ft | 360°<br>167.0ft | Max.<br>167.0ft | 360°<br>179.1ft | Max.<br>179.1ft | 360°<br>194.9ft | Max.<br>194.9ft |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------------------------------------------------------|
|                                                                                   |                                                                                   | 1,000 lb        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                                                                                     |
| ft                                                                                |                                                                                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | ft                                                                                  |
| 28                                                                                | 43.0                                                                              | 43.0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28                                                                                  |
| 32                                                                                | 39.2                                                                              | 41.2            | 33.9            | 33.9            | 23.9            | 26.2            | 26.2            | 26.2            | 25.0            | 25.0            | -               | -               | -               | -               | -               | 32                                                                                  |
| 36                                                                                | 34.7                                                                              | 39.6            | 31.3            | 33.0            | 23.6            | 26.2            | 26.2            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | -               | -               | -               | 36                                                                                  |
| 40                                                                                | 32.5                                                                              | 37.8            | 29.9            | 32.2            | 23.3            | 26.2            | 25.9            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | 16.3            | 16.3            | -               | 40                                                                                  |
| 48                                                                                | 25.8                                                                              | 32.4            | 25.3            | 29.8            | 21.9            | 25.9            | 21.5            | 25.9            | 23.3            | 24.3            | 20.5            | 21.2            | 16.3            | 16.3            | -               | 48                                                                                  |
| 56                                                                                | 20.7                                                                              | 27.0            | 20.1            | 25.5            | 19.4            | 24.3            | 16.6            | 24.3            | 18.4            | 22.9            | 18.0            | 20.9            | 15.4            | 16.3            | -               | 56                                                                                  |
| 64                                                                                | 16.4                                                                              | 23.2            | 16.4            | 21.9            | 15.8            | 21.1            | 12.8            | 21.1            | 14.4            | 20.9            | 14.2            | 20.1            | 12.4            | 16.3            | -               | 64                                                                                  |
| 72                                                                                | 13.7                                                                              | 19.0            | 13.5            | 19.0            | 12.6            | 19.0            | 9.8             | 17.3            | 11.3            | 19.0            | 11.1            | 17.9            | 9.5             | 16.1            | -               | 72                                                                                  |
| 80                                                                                | 11.3                                                                              | 16.5            | 10.9            | 16.1            | 10.2            | 15.7            | 7.4             | 14.4            | 8.9             | 15.7            | 8.7             | 15.4            | 7.2             | 14.8            | -               | 80                                                                                  |
| 88                                                                                | 9.3                                                                               | 14.6            | 8.8             | 14.2            | 8.2             | 13.3            | 5.5             | 12.0            | 7.0             | 13.3            | 6.7             | 13.4            | 5.4             | 12.5            | -               | 88                                                                                  |
| 96                                                                                | 7.7                                                                               | 12.5            | 7.1             | 12.0            | 6.4             | 12.0            | 3.8             | 9.8             | 5.3             | 11.2            | 5.3             | 11.2            | 4.1             | 10.4            | -               | 96                                                                                  |
| 104                                                                               | 6.3                                                                               | 10.8            | 5.7             | 10.2            | 5.0             | 10.4            | 2.6             | 8.1             | 3.9             | 9.5             | 4.1             | 9.5             | 2.8             | 8.6             | -               | 104                                                                                 |
| 112                                                                               | 5.0                                                                               | 9.4             | 4.6             | 9.0             | 3.9             | 9.0             | -               | 6.8             | 2.8             | 8.1             | 3.0             | 8.1             | 1.9             | 7.0             | -               | 112                                                                                 |
| 120                                                                               | 3.3                                                                               | 8.1             | 3.6             | 8.3             | 3.0             | 8.0             | -               | 5.5             | 1.9             | 6.8             | 2.0             | 7.2             | -               | 5.7             | -               | 120                                                                                 |
| 128                                                                               | -                                                                                 | -               | 2.8             | 7.4             | 2.1             | 6.8             | -               | 4.6             | -               | 5.7             | -               | 5.9             | -               | 4.7             | -               | 128                                                                                 |
| 136                                                                               | -                                                                                 | -               | -               | 5.8             | -               | 5.8             | -               | 3.9             | -               | 5.0             | -               | 4.9             | -               | 3.9             | -               | 136                                                                                 |
| 144                                                                               | -                                                                                 | -               | -               | -               | -               | 5.1             | -               | 3.1             | -               | 4.2             | -               | 4.0             | -               | 3.1             | -               | 144                                                                                 |
| 152                                                                               | -                                                                                 | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 3.6             | -               | 2.6             | -               | 152                                                                                 |
| 160                                                                               | -                                                                                 | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 2.9             | -               | 2.3             | -               | 160                                                                                 |

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

|  13,400 lb |                                                                                                  |  26.6 ft x 23.6 ft |                | 360° / Max.*   |                |                |                |                |                |                |                 |                 |                 | 85%             |                                                                                        |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------------------------------------------------------------------------------|
|  ft        |  360°<br>39.4ft | Max.<br>39.4ft                                                                                      | 360°<br>53.5ft | Max.<br>53.5ft | 360°<br>67.3ft | Max.<br>67.3ft | 360°<br>81.4ft | Max.<br>81.4ft | 360°<br>95.5ft | Max.<br>95.5ft | 360°<br>109.6ft | Max.<br>109.6ft | 360°<br>123.4ft | Max.<br>123.4ft |  ft |
| 1,000 lb                                                                                    |                                                                                                  |                                                                                                     |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                                                                                        |
| 10                                                                                          | 157.1                                                                                            | 161.2                                                                                               | 157.2          | 157.4          | 153.0          | 153.0          | 130.5          | 130.5          | -              | -              | -               | -               | -               | -               | 10                                                                                     |
| 12                                                                                          | 139.8                                                                                            | 145.0                                                                                               | 140.7          | 143.9          | 139.2          | 139.6          | 127.0          | 127.0          | -              | -              | -               | -               | -               | -               | 12                                                                                     |
| 14                                                                                          | 125.7                                                                                            | 130.8                                                                                               | 126.5          | 131.4          | 126.2          | 128.3          | 121.9          | 121.9          | 103.8          | 103.8          | -               | -               | -               | -               | 14                                                                                     |
| 16                                                                                          | 113.8                                                                                            | 118.5                                                                                               | 115.4          | 119.4          | 115.9          | 118.5          | 114.8          | 116.1          | 97.8           | 97.8           | -               | -               | -               | -               | 16                                                                                     |
| 18                                                                                          | 102.9                                                                                            | 106.4                                                                                               | 105.2          | 107.6          | 105.6          | 108.2          | 101.3          | 106.7          | 88.3           | 92.3           | 69.8            | 69.8            | -               | -               | 18                                                                                     |
| 20                                                                                          | 92.1                                                                                             | 94.6                                                                                                | 94.9           | 97.0           | 95.1           | 97.2           | 87.2           | 96.6           | 78.2           | 87.1           | 68.1            | 68.4            | 59.6            | 59.6            | 20                                                                                     |
| 24                                                                                          | 71.2                                                                                             | 76.3                                                                                                | 74.2           | 78.4           | 73.0           | 78.7           | 70.8           | 78.2           | 66.1           | 76.9           | 60.1            | 65.6            | 54.1            | 55.1            | 24                                                                                     |
| 28                                                                                          | 52.7                                                                                             | 62.2                                                                                                | 56.0           | 65.3           | 59.1           | 65.6           | 57.8           | 66.6           | 53.9           | 65.4           | 50.6            | 62.3            | 46.2            | 51.9            | 28                                                                                     |
| 32                                                                                          | -                                                                                                | -                                                                                                   | 45.2           | 55.6           | 46.5           | 57.2           | 46.5           | 57.2           | 45.1           | 56.7           | 43.2            | 55.5            | 40.5            | 49.5            | 32                                                                                     |
| 36                                                                                          | -                                                                                                | -                                                                                                   | 37.3           | 48.5           | 38.6           | 50.2           | 38.5           | 50.1           | 37.7           | 49.5           | 37.9            | 48.4            | 35.5            | 45.2            | 36                                                                                     |
| 40                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | 31.9           | 43.8           | 31.7           | 43.8           | 33.2           | 43.1           | 32.3            | 42.0            | 32.0            | 41.0            | 40                                                                                     |
| 48                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | 23.6           | 34.7           | 24.9           | 34.6           | 24.6           | 33.7           | 25.1            | 33.1            | 24.6            | 33.0            | 48                                                                                     |
| 56                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | 17.7           | 21.6           | 19.5           | 27.1           | 19.7           | 27.3           | 19.5            | 27.6            | 19.3            | 26.3            | 56                                                                                     |
| 64                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | 15.3           | 22.2           | 15.5           | 23.1           | 15.3            | 22.5            | 15.1            | 22.5            | 64                                                                                     |
| 72                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | 12.4           | 17.0           | 12.6           | 19.3           | 12.4            | 18.6            | 12.2            | 18.8            | 72                                                                                     |
| 80                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | -              | -              | 10.2           | 16.3           | 10.1            | 16.4            | 9.6             | 16.1            | 80                                                                                     |
| 88                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | -              | -              | 8.5            | 9.2            | 8.3             | 14.3            | 7.8             | 13.7            | 88                                                                                     |
| 96                                                                                          | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | -              | -              | -              | -              | 6.7             | 12.4            | 6.2             | 12.2            | 96                                                                                     |
| 104                                                                                         | -                                                                                                | -                                                                                                   | -              | -              | -              | -              | -              | -              | -              | -              | 5.4             | 8.9             | 5.0             | 10.6            | 104                                                                                    |

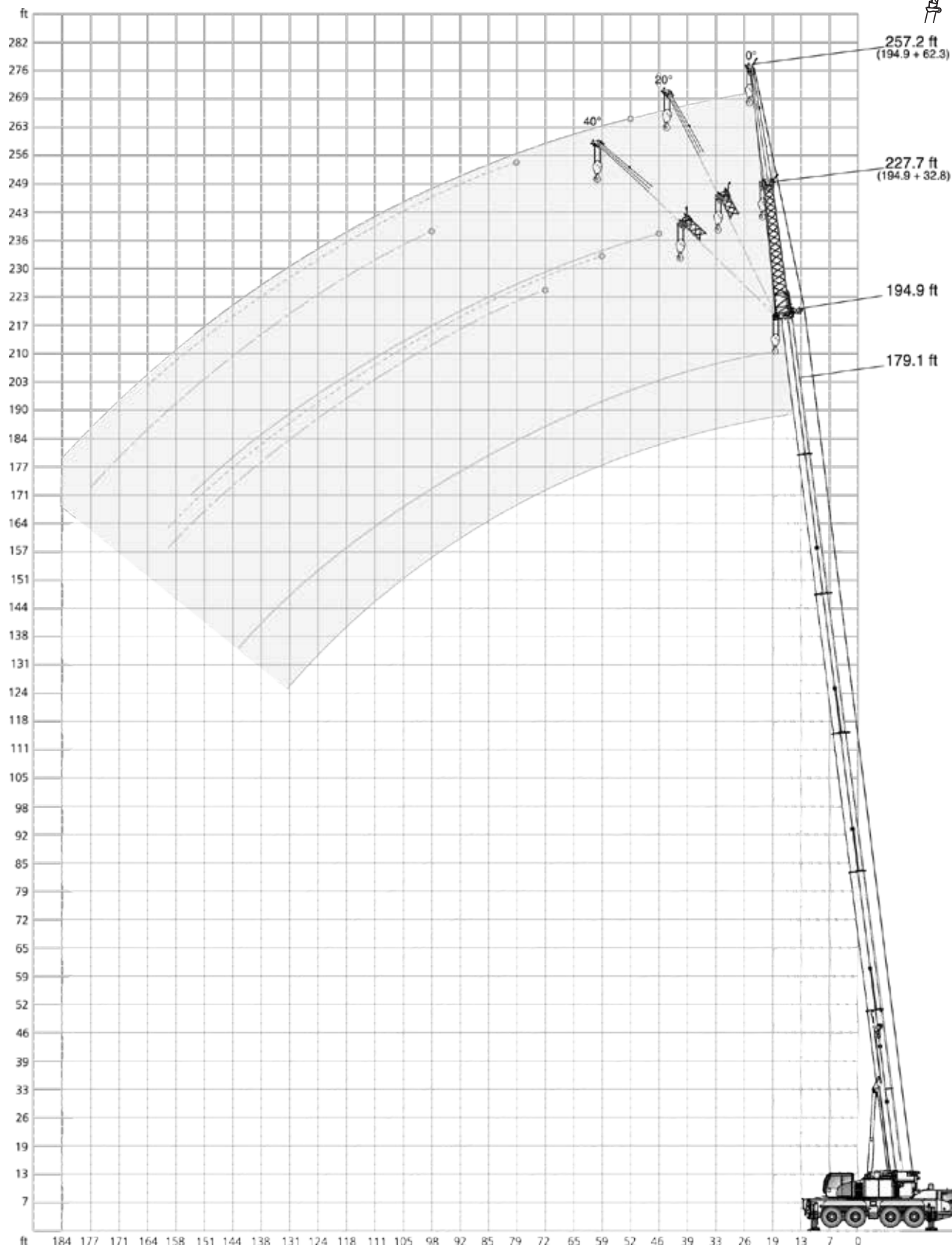
|  ft |  360°<br>132.5ft | Max.<br>132.5ft | 360°<br>146.7ft | Max.<br>146.7ft | 360°<br>163.7ft | Max.<br>163.7ft | 360°<br>165.4ft | Max.<br>165.4ft | 360°<br>167.0ft | Max.<br>167.0ft | 360°<br>179.1ft | Max.<br>179.1ft | 360°<br>194.9ft | Max.<br>194.9ft |  ft |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------------------------------------------------------------------------------|
| 1,000 lb                                                                             |                                                                                                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                                                                                        |
| 28                                                                                   | 42.0                                                                                              | 43.0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28                                                                                     |
| 32                                                                                   | 36.6                                                                                              | 41.2            | 33.9            | 33.9            | 23.9            | 26.2            | 26.2            | 25.0            | 26.2            | 24.9            | 25.0            | -               | -               | -               | 32                                                                                     |
| 36                                                                                   | 33.0                                                                                              | 39.6            | 29.8            | 33.0            | 23.6            | 26.2            | 25.9            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | -               | -               | 36                                                                                     |
| 40                                                                                   | 29.8                                                                                              | 37.5            | 28.3            | 32.2            | 23.3            | 26.2            | 25.0            | 26.2            | 24.6            | 24.9            | 21.1            | 21.2            | 16.3            | 16.3            | 40                                                                                     |
| 48                                                                                   | 24.2                                                                                              | 31.0            | 22.6            | 29.3            | 21.5            | 25.9            | 18.8            | 25.9            | 20.7            | 24.3            | 19.2            | 21.2            | 16.1            | 16.3            | 48                                                                                     |
| 56                                                                                   | 18.6                                                                                              | 26.1            | 18.4            | 24.6            | 17.5            | 23.5            | 14.3            | 23.5            | 16.0            | 22.9            | 15.5            | 20.9            | 13.8            | 16.3            | 56                                                                                     |
| 64                                                                                   | 15.1                                                                                              | 21.8            | 14.9            | 21.2            | 13.7            | 20.6            | 10.6            | 19.6            | 12.2            | 20.6            | 11.9            | 19.7            | 10.1            | 16.3            | 64                                                                                     |
| 72                                                                                   | 12.2                                                                                              | 18.3            | 11.7            | 17.9            | 10.6            | 17.3            | 7.8             | 16.0            | 9.3             | 17.3            | 9.1             | 16.8            | 7.5             | 16.1            | 72                                                                                     |
| 80                                                                                   | 9.8                                                                                               | 15.9            | 9.4             | 15.4            | 8.5             | 14.6            | 5.7             | 13.3            | 7.2             | 14.6            | 7.0             | 14.6            | 5.5             | 13.0            | 80                                                                                     |
| 88                                                                                   | 8.0                                                                                               | 13.5            | 7.4             | 13.0            | 6.7             | 13.1            | 4.1             | 10.9            | 5.5             | 12.3            | 5.3             | 12.0            | 4.0             | 10.4            | 88                                                                                     |
| 96                                                                                   | 6.4                                                                                               | 11.6            | 5.8             | 11.2            | 5.3             | 11.5            | 2.6             | 8.9             | 4.2             | 10.2            | 3.9             | 9.8             | 2.6             | 8.4             | 96                                                                                     |
| 104                                                                                  | 5.0                                                                                               | 9.9             | 4.5             | 9.8             | 3.9             | 9.6             | -               | 7.3             | 2.8             | 8.6             | 2.8             | 8.3             | -               | 6.8             | 104                                                                                    |
| 112                                                                                  | 4.1                                                                                               | 8.5             | 3.5             | 9.0             | 2.8             | 8.3             | -               | 5.9             | -               | 7.2             | -               | 7.0             | -               | 5.5             | 112                                                                                    |
| 120                                                                                  | 2.5                                                                                               | 7.5             | 2.7             | 7.7             | 2.0             | 7.1             | -               | 4.8             | -               | 6.1             | -               | 5.7             | -               | 4.4             | 120                                                                                    |
| 128                                                                                  | -                                                                                                 | -               | -               | 6.6             | -               | 6.2             | -               | 3.7             | -               | 5.1             | -               | 4.7             | -               | 3.4             | 128                                                                                    |
| 136                                                                                  | -                                                                                                 | -               | -               | 5.0             | -               | 5.1             | -               | 2.7             | -               | 4.0             | -               | 3.9             | -               | 2.6             | 136                                                                                    |
| 144                                                                                  | -                                                                                                 | -               | -               | -               | -               | 4.2             | -               | 1.8             | -               | 3.1             | -               | 3.3             | -               | 2.0             | 144                                                                                    |
| 152                                                                                  | -                                                                                                 | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 2.5             | -               | -               | 152                                                                                    |
| 160                                                                                  | -                                                                                                 | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 1.8             | -               | -               | 160                                                                                    |

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

| 9,500 lb |                | 26.6 ft x 23.6 ft |                | 360° / Max.*   |                |                |                |                |                |                |                 |                 |                 | 85%             |     |
|----------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----|
| ft       | 360°<br>39.4ft | Max.<br>39.4ft    | 360°<br>53.5ft | Max.<br>53.5ft | 360°<br>67.3ft | Max.<br>67.3ft | 360°<br>81.4ft | Max.<br>81.4ft | 360°<br>95.5ft | Max.<br>95.5ft | 360°<br>109.6ft | Max.<br>109.6ft | 360°<br>123.4ft | Max.<br>123.4ft | ft  |
| 1,000 lb |                |                   |                |                |                |                |                |                |                |                |                 |                 |                 |                 |     |
| 10       | 156.5          | 161.2             | 157.1          | 157.4          | 153.0          | 153.0          | 130.5          | 130.5          | -              | -              | -               | -               | -               | -               | 10  |
| 12       | 139.4          | 145.0             | 140.1          | 143.9          | 139.1          | 139.6          | 127.0          | 127.0          | -              | -              | -               | -               | -               | -               | 12  |
| 14       | 125.3          | 130.8             | 126.0          | 131.4          | 125.7          | 128.3          | 121.9          | 121.9          | 103.8          | 103.8          | -               | -               | -               | -               | 14  |
| 16       | 113.4          | 118.5             | 115.1          | 119.4          | 115.5          | 118.5          | 110.6          | 116.1          | 96.8           | 97.8           | -               | -               | -               | -               | 16  |
| 18       | 101.4          | 105.5             | 103.7          | 106.6          | 102.5          | 107.3          | 95.7           | 105.9          | 85.2           | 92.3           | 69.8            | 69.8            | -               | -               | 18  |
| 20       | 89.2           | 92.6              | 92.2           | 95.0           | 89.3           | 95.5           | 81.6           | 94.8           | 73.8           | 86.9           | 67.7            | 68.4            | 59.5            | 59.6            | 20  |
| 24       | 66.3           | 74.8              | 70.1           | 76.8           | 68.8           | 77.2           | 67.0           | 76.6           | 61.9           | 75.4           | 57.0            | 65.6            | 52.0            | 55.1            | 24  |
| 28       | 48.8           | 61.6              | 53.2           | 64.0           | 55.3           | 64.2           | 53.9           | 65.7           | 50.4           | 64.6           | 48.0            | 61.7            | 44.5            | 51.9            | 28  |
| 32       | -              | -                 | 42.0           | 54.3           | 43.3           | 56.2           | 43.3           | 56.0           | 42.5           | 55.5           | 41.3            | 54.4            | 38.6            | 49.5            | 32  |
| 36       | -              | -                 | 34.5           | 47.3           | 35.9           | 49.2           | 35.9           | 49.1           | 36.1           | 48.5           | 35.5            | 46.9            | 33.9            | 44.1            | 36  |
| 40       | -              | -                 | -              | -              | 29.5           | 42.9           | 31.1           | 42.8           | 30.8           | 42.1           | 30.2            | 40.1            | 30.0            | 39.4            | 40  |
| 48       | -              | -                 | -              | -              | 22.4           | 32.9           | 23.1           | 32.9           | 23.1           | 32.0           | 23.3            | 32.7            | 23.1            | 31.3            | 48  |
| 56       | -              | -                 | -              | -              | 17.0           | 20.4           | 17.8           | 25.7           | 18.1           | 26.8           | 17.8            | 26.3            | 17.6            | 25.2            | 56  |
| 64       | -              | -                 | -              | -              | -              | -              | 13.9           | 21.6           | 14.2           | 22.0           | 13.9            | 21.4            | 13.7            | 21.7            | 64  |
| 72       | -              | -                 | -              | -              | -              | -              | 11.1           | 17.0           | 11.3           | 18.2           | 11.3            | 18.3            | 10.6            | 17.9            | 72  |
| 80       | -              | -                 | -              | -              | -              | -              | -              | -              | 9.2            | 15.5           | 9.0             | 15.9            | 8.5             | 15.2            | 80  |
| 88       | -              | -                 | -              | -              | -              | -              | -              | -              | 7.6            | 9.2            | 7.2             | 13.5            | 6.7             | 13.4            | 88  |
| 96       | -              | -                 | -              | -              | -              | -              | -              | -              | -              | -              | 5.8             | 11.7            | 5.3             | 11.5            | 96  |
| 104      | -              | -                 | -              | -              | -              | -              | -              | -              | -              | -              | 4.5             | 8.9             | 4.1             | 10.1            | 104 |

| ft       | 360°<br>132.5ft | Max.<br>132.5ft | 360°<br>146.7ft | Max.<br>146.7ft | 360°<br>163.7ft | Max.<br>163.7ft | 360°<br>165.4ft | Max.<br>165.4ft | 360°<br>167.0ft | Max.<br>167.0ft | 360°<br>179.1ft | Max.<br>179.1ft | 360°<br>194.9ft | Max.<br>194.9ft | ft  |
|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----|
| 1,000 lb |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |     |
| 28       | 39.6            | 43.0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28  |
| 32       | 35.9            | 41.2            | 31.7            | 33.9            | 23.9            | 26.2            | 26.2            | 26.2            | 25.0            | 25.0            | -               | -               | -               | -               | 32  |
| 36       | 31.6            | 39.6            | 28.4            | 33.0            | 23.6            | 26.2            | 24.7            | 26.2            | 24.9            | 24.9            | 21.2            | 21.2            | -               | -               | 36  |
| 40       | 28.8            | 37.3            | 27.0            | 32.2            | 23.2            | 26.2            | 22.6            | 26.2            | 24.4            | 24.9            | 20.9            | 21.2            | 16.3            | 16.3            | 40  |
| 48       | 22.0            | 29.8            | 21.1            | 28.5            | 20.3            | 25.9            | 16.7            | 25.9            | 18.6            | 24.3            | 18.2            | 21.2            | 15.4            | 16.3            | 48  |
| 56       | 17.4            | 25.2            | 17.1            | 24.0            | 15.5            | 22.9            | 12.3            | 22.9            | 14.1            | 22.9            | 13.7            | 20.9            | 11.8            | 16.3            | 56  |
| 64       | 13.9            | 20.7            | 13.3            | 20.4            | 11.9            | 19.9            | 9.0             | 18.3            | 10.6            | 19.9            | 10.1            | 18.4            | 8.5             | 16.3            | 64  |
| 72       | 10.9            | 17.9            | 10.4            | 17.3            | 9.3             | 16.4            | 6.4             | 14.6            | 8.0             | 16.4            | 7.5             | 15.9            | 6.0             | 14.2            | 72  |
| 80       | 8.7             | 15.2            | 8.1             | 14.6            | 7.2             | 14.3            | 4.4             | 11.6            | 5.9             | 13.2            | 5.7             | 12.8            | 4.2             | 11.1            | 80  |
| 88       | 7.0             | 12.8            | 6.3             | 12.4            | 5.6             | 12.3            | 2.9             | 9.4             | 4.4             | 11.0            | 4.2             | 10.5            | 2.9             | 8.8             | 88  |
| 96       | 5.5             | 11.1            | 4.9             | 10.8            | 4.2             | 10.3            | -               | 7.5             | 3.0             | 8.9             | 2.9             | 8.5             | -               | 7.1             | 96  |
| 104      | 4.3             | 9.5             | 3.7             | 9.8             | 3.0             | 8.6             | -               | 5.9             | 1.9             | 7.4             | 1.9             | 7.0             | -               | 5.5             | 104 |
| 112      | 3.3             | 8.1             | 2.6             | 8.1             | 2.0             | 7.2             | -               | 4.8             | -               | 6.1             | -               | 5.7             | -               | 4.3             | 112 |
| 120      | -               | 6.6             | 1.9             | 6.8             | -               | 6.1             | -               | 3.7             | -               | 5.0             | -               | 4.7             | -               | 3.3             | 120 |
| 128      | -               | -               | -               | 5.7             | -               | 5.1             | -               | 2.6             | -               | 4.1             | -               | 3.9             | -               | 2.5             | 128 |
| 136      | -               | -               | -               | 4.0             | -               | 4.1             | -               | 1.7             | -               | 3.1             | -               | 3.0             | -               | 1.7             | 136 |
| 144      | -               | -               | -               | -               | -               | 3.3             | -               | -               | -               | 2.2             | -               | 2.4             | -               | -               | 144 |

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



| 54,000 lb                                                                                  |                                                                                   |         |     |     |         |     |  26.6 ft x 23.6 ft |    |                                                                                   |                                                                                   |         |      |      | 360°                                                                                       |     |     |  |  |  |  | 85% |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|-----|-----|---------|-----|-----------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|------|------|--------------------------------------------------------------------------------------------|-----|-----|--|--|--|--|-----|--|--|--|--|--|--|
|  194.9 ft |                                                                                   |         |     |     |         |     |                                                                                                     |    |                                                                                   |                                                                                   |         |      |      |  179.1 ft |     |     |  |  |  |  |     |  |  |  |  |  |  |
|           |  | 32.8 ft |     |     | 62.3 ft |     |                                                                                                     |    |  |  | 32.8 ft |      |      | 62.3 ft                                                                                    |     |     |  |  |  |  |     |  |  |  |  |  |  |
|                                                                                            |                                                                                   | 0°      | 20° | 40° | 0°      | 20° | 40°*                                                                                                | 0° |                                                                                   |                                                                                   | 20°     | 40°  |      |                                                                                            |     |     |  |  |  |  |     |  |  |  |  |  |  |
| ft                                                                                         |                                                                                   |         |     |     |         |     |                                                                                                     |    |                                                                                   |                                                                                   |         |      |      | 1,000 lb                                                                                   |     |     |  |  |  |  |     |  |  |  |  |  |  |
| 48                                                                                         |                                                                                   | 8.4     | -   | -   | -       | -   | -                                                                                                   |    | 40                                                                                |                                                                                   | 11.0    | -    | -    | -                                                                                          | -   | -   |  |  |  |  |     |  |  |  |  |  |  |
| 56                                                                                         |                                                                                   | 8.4     | -   | -   | 4.9     | -   | -                                                                                                   |    | 48                                                                                |                                                                                   | 11.0    | -    | -    | 6.4                                                                                        | -   | -   |  |  |  |  |     |  |  |  |  |  |  |
| 64                                                                                         |                                                                                   | 8.4     | 8.4 | -   | 4.9     | -   | -                                                                                                   |    | 56                                                                                |                                                                                   | 11.0    | -    | -    | 6.4                                                                                        | -   | -   |  |  |  |  |     |  |  |  |  |  |  |
| 72                                                                                         |                                                                                   | 8.4     | 8.4 | -   | 4.9     | -   | -                                                                                                   |    | 64                                                                                |                                                                                   | 11.0    | 11.0 | -    | 6.4                                                                                        | -   | -   |  |  |  |  |     |  |  |  |  |  |  |
| 80                                                                                         |                                                                                   | 8.4     | 8.4 | 8.4 | 4.9     | 4.9 | -                                                                                                   |    | 72                                                                                |                                                                                   | 11.0    | 11.0 | 11.0 | 6.4                                                                                        | -   | -   |  |  |  |  |     |  |  |  |  |  |  |
| 88                                                                                         |                                                                                   | 8.4     | 8.4 | 8.4 | 4.9     | 4.9 | -                                                                                                   |    | 80                                                                                |                                                                                   | 11.0    | 11.0 | 11.0 | 6.4                                                                                        | 6.4 | -   |  |  |  |  |     |  |  |  |  |  |  |
| 96                                                                                         |                                                                                   | 8.4     | 8.4 | 8.2 | 4.9     | 4.9 | -                                                                                                   |    | 88                                                                                |                                                                                   | 11.0    | 11.0 | 11.0 | 6.4                                                                                        | 6.4 | -   |  |  |  |  |     |  |  |  |  |  |  |
| 104                                                                                        |                                                                                   | 8.4     | 8.0 | 7.8 | 4.9     | 4.9 | 5.1                                                                                                 |    | 96                                                                                |                                                                                   | 10.7    | 11.0 | 10.7 | 6.4                                                                                        | 6.4 | 6.4 |  |  |  |  |     |  |  |  |  |  |  |
| 112                                                                                        |                                                                                   | 7.6     | 7.7 | 7.3 | 4.9     | 4.9 | 5.1                                                                                                 |    | 104                                                                               |                                                                                   | 9.6     | 10.5 | 10.4 | 6.4                                                                                        | 6.4 | 6.4 |  |  |  |  |     |  |  |  |  |  |  |
| 120                                                                                        |                                                                                   | 6.4     | 7.0 | 6.9 | 4.9     | 4.9 | 4.9                                                                                                 |    | 112                                                                               |                                                                                   | 8.1     | 8.9  | 9.6  | 6.4                                                                                        | 6.4 | 6.2 |  |  |  |  |     |  |  |  |  |  |  |
| 128                                                                                        |                                                                                   | 5.3     | 5.9 | 6.3 | 4.6     | 4.7 | 4.5                                                                                                 |    | 120                                                                               |                                                                                   | 7.1     | 7.4  | 8.0  | 6.1                                                                                        | 6.4 | 6.0 |  |  |  |  |     |  |  |  |  |  |  |
| 136                                                                                        |                                                                                   | 4.2     | 4.9 | 5.3 | 3.9     | 4.5 | 4.2                                                                                                 |    | 128                                                                               |                                                                                   | 6.1     | 6.3  | 6.5  | 5.5                                                                                        | 6.3 | 5.8 |  |  |  |  |     |  |  |  |  |  |  |
| 144                                                                                        |                                                                                   | 3.1     | 3.8 | 4.2 | 3.1     | 4.2 | 4.0                                                                                                 |    | 136                                                                               |                                                                                   | 5.0     | 5.5  | 5.8  | 4.7                                                                                        | 5.7 | 5.6 |  |  |  |  |     |  |  |  |  |  |  |
| 152                                                                                        |                                                                                   | 2.3     | 3.0 | 3.2 | 2.3     | 3.4 | 3.7                                                                                                 |    | 144                                                                               |                                                                                   | 4.0     | 4.5  | 4.9  | 4.2                                                                                        | 4.7 | 5.5 |  |  |  |  |     |  |  |  |  |  |  |
| 160                                                                                        |                                                                                   | -       | 2.2 | 2.4 | -       | 2.6 | 3.4                                                                                                 |    | 152                                                                               |                                                                                   | 3.2     | 3.6  | 3.9  | 3.2                                                                                        | 3.8 | 4.5 |  |  |  |  |     |  |  |  |  |  |  |
| 168                                                                                        |                                                                                   | -       | -   | -   | -       | -   | 2.7                                                                                                 |    | 160                                                                               |                                                                                   | 2.5     | 2.8  | 3.1  | 2.6                                                                                        | 3.4 | 3.6 |  |  |  |  |     |  |  |  |  |  |  |
| 176                                                                                        |                                                                                   | -       | -   | -   | -       | -   | 1.9                                                                                                 |    | 168                                                                               |                                                                                   | -       | -    | -    | -                                                                                          | 2.8 | 3.0 |  |  |  |  |     |  |  |  |  |  |  |
|                                                                                            |                                                                                   |         |     |     |         |     |                                                                                                     |    | 176                                                                               |                                                                                   | -       | -    | -    | -                                                                                          | 2.1 | 2.5 |  |  |  |  |     |  |  |  |  |  |  |

|  109.6 ft |                                                                                     |         |      |      |         |      |     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|------|------|---------|------|-----|
| <br>ft   |  | 32.8 ft |      |      | 62.3 ft |      |     |
|                                                                                             |                                                                                     | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |
| 1,000 lb                                                                                    |                                                                                     |         |      |      |         |      |     |
| 20                                                                                          |                                                                                     | 29.1    | -    | -    | -       | -    | -   |
| 24                                                                                          |                                                                                     | 28.7    | -    | -    | 14.7    | -    | -   |
| 28                                                                                          |                                                                                     | 28.2    | -    | -    | 14.6    | -    | -   |
| 32                                                                                          |                                                                                     | 27.7    | -    | -    | 14.4    | -    | -   |
| 36                                                                                          |                                                                                     | 27.1    | 24.4 | -    | 14.2    | -    | -   |
| 40                                                                                          |                                                                                     | 26.6    | 23.2 | 19.1 | 14.1    | -    | -   |
| 48                                                                                          |                                                                                     | 25.4    | 21.1 | 18.0 | 13.8    | -    | -   |
| 56                                                                                          |                                                                                     | 23.9    | 19.5 | 16.8 | 13.4    | 12.1 | -   |
| 64                                                                                          |                                                                                     | 21.8    | 18.1 | 16.0 | 13.1    | 11.6 | -   |
| 72                                                                                          |                                                                                     | 19.9    | 16.8 | 15.2 | 12.8    | 11.0 | 8.6 |
| 80                                                                                          |                                                                                     | 17.7    | 15.7 | 14.5 | 12.3    | 10.3 | 8.3 |
| 88                                                                                          |                                                                                     | 15.0    | 14.9 | 13.9 | 11.6    | 9.7  | 8.1 |
| 96                                                                                          |                                                                                     | 13.2    | 13.4 | 13.4 | 10.8    | 9.2  | 7.9 |
| 104                                                                                         |                                                                                     | 11.7    | 11.7 | 12.0 | 10.2    | 8.9  | 7.7 |
| 112                                                                                         |                                                                                     | 10.0    | 10.5 | -    | 9.4     | 8.3  | 7.7 |
| 120                                                                                         |                                                                                     | 8.8     | 8.9  | -    | 8.7     | 7.9  | 7.4 |
| 128                                                                                         |                                                                                     | 8.2     | 4.5  | -    | 7.8     | 7.6  | 7.3 |
| 136                                                                                         |                                                                                     | 4.1     | -    | -    | 6.9     | 7.1  | 7.3 |
| 144                                                                                         |                                                                                     | -       | -    | -    | 5.8     | 6.4  | 2.9 |
| 152                                                                                         |                                                                                     | -       | -    | -    | 5.0     | 4.5  | -   |
| 160                                                                                         |                                                                                     | -       | -    | -    | 2.3     | -    | -   |

 \* 191.9 ft

| 42,500 lb                                                                                                                                                           |          |     |     |  26.6 ft x 23.6 ft |     |      |                                                                                                                                                                     | 360°                                                                                       |          |      |         | 85 % |     |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|-----|-----------------------------------------------------------------------------------------------------|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------|------|---------|------|-----|--|--|
|  194.9 ft                                                                          |          |     |     |                                                                                                     |     |      |                                                                                                                                                                     |  179.1 ft |          |      |         |      |     |  |  |
|   | 32.8 ft  |     |     | 62.3 ft                                                                                             |     |      |   | 32.8 ft                                                                                    |          |      | 62.3 ft |      |     |  |  |
|                                                                                                                                                                     | 0°       | 20° | 40° | 0°                                                                                                  | 20° | 40°* |                                                                                                                                                                     | 0°                                                                                         | 20°      | 40°  | 0°      | 20°  | 40° |  |  |
| ft                                                                                                                                                                  | 1,000 lb |     |     |                                                                                                     |     |      |                                                                                                                                                                     | ft                                                                                         | 1,000 lb |      |         |      |     |  |  |
| 48                                                                                                                                                                  | 8.4      | -   | -   | -                                                                                                   | -   | -    | 40                                                                                                                                                                  | 11.0                                                                                       | -        | -    | -       | -    | -   |  |  |
| 56                                                                                                                                                                  | 8.4      | -   | -   | 4.9                                                                                                 | -   | -    | 48                                                                                                                                                                  | 11.0                                                                                       | -        | -    | 6.4     | -    | -   |  |  |
| 64                                                                                                                                                                  | 8.4      | 8.4 | -   | 4.9                                                                                                 | -   | -    | 56                                                                                                                                                                  | 11.0                                                                                       | -        | -    | 6.4     | -    | -   |  |  |
| 72                                                                                                                                                                  | 8.4      | 8.4 | -   | 4.9                                                                                                 | -   | -    | 64                                                                                                                                                                  | 11.0                                                                                       | 11.0     | -    | 6.4     | -    | -   |  |  |
| 80                                                                                                                                                                  | 8.4      | 8.4 | 8.4 | 4.9                                                                                                 | 4.9 | -    | 72                                                                                                                                                                  | 11.0                                                                                       | 11.0     | 11.0 | 6.4     | -    | -   |  |  |
| 88                                                                                                                                                                  | 8.4      | 8.4 | 8.4 | 4.9                                                                                                 | 4.9 | -    | 80                                                                                                                                                                  | 11.0                                                                                       | 11.0     | 11.0 | 6.4     | 6.4  | -   |  |  |
| 96                                                                                                                                                                  | 8.0      | 8.4 | 8.2 | 4.9                                                                                                 | 4.9 | -    | 88                                                                                                                                                                  | 10.6                                                                                       | 11.0     | 11.0 | 6.4     | 6.4  | -   |  |  |
| 104                                                                                                                                                                 | 6.8      | 7.6 | 7.8 | 4.9                                                                                                 | 4.9 | 5.1  | 96                                                                                                                                                                  | 9.1                                                                                        | 10.1     | 10.6 | 6.4     | 6.4  | 6.4 |  |  |
| 112                                                                                                                                                                 | 5.4      | 6.3 | 7.2 | 4.8                                                                                                 | 4.9 | 5.1  | 104                                                                                                                                                                 | 8.1                                                                                        | 8.4      | 9.2  | 6.4     | 6.4  | 6.4 |  |  |
| 120                                                                                                                                                                 | 4.2      | 5.0 | 5.7 | 3.7                                                                                                 | 4.8 | 4.9  | 112                                                                                                                                                                 | 6.6                                                                                        | 7.2      | 7.4  | 5.5     | 6.4  | 6.2 |  |  |
| 128                                                                                                                                                                 | 3.3      | 4.0 | 4.6 | 2.8                                                                                                 | 4.3 | 4.5  | 120                                                                                                                                                                 | 5.4                                                                                        | 6.1      | 6.4  | 5.0     | 5.9  | 6.0 |  |  |
| 136                                                                                                                                                                 | 2.4      | 3.0 | 3.5 | 1.9                                                                                                 | 3.3 | 4.2  | 128                                                                                                                                                                 | 4.2                                                                                        | 4.8      | 5.4  | 4.1     | 4.8  | 5.7 |  |  |
| 144                                                                                                                                                                 | 1.6      | 2.2 | 2.7 | -                                                                                                   | 2.5 | 3.8  | 136                                                                                                                                                                 | 3.3                                                                                        | 3.9      | 4.2  | 3.3     | 4.2  | 5.0 |  |  |
| 152                                                                                                                                                                 | -        | -   | -   | -                                                                                                   | -   | 3.0  | 144                                                                                                                                                                 | 2.5                                                                                        | 2.9      | 3.3  | 2.5     | 3.6  | 4.0 |  |  |
| 160                                                                                                                                                                 | -        | -   | -   | -                                                                                                   | -   | 2.2  | 152                                                                                                                                                                 | -                                                                                          | 2.1      | 2.3  | -       | 2.8  | 3.4 |  |  |
|                                                                                                                                                                     |          |     |     |                                                                                                     |     |      | 160                                                                                                                                                                 | -                                                                                          | -        | -    | -       | 2.0  | 2.6 |  |  |

|  109.6 ft |          |      |      |         |      |     |  |
|--------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|--|
|         | 32.8 ft  |      |      | 62.3 ft |      |     |  |
|                                                                                            | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |  |
| ft                                                                                         | 1,000 lb |      |      |         |      |     |  |
| 20                                                                                         | 29.1     | -    | -    | -       | -    | -   |  |
| 24                                                                                         | 28.7     | -    | -    | 14.7    | -    | -   |  |
| 28                                                                                         | 28.2     | -    | -    | 14.6    | -    | -   |  |
| 32                                                                                         | 27.7     | -    | -    | 14.4    | -    | -   |  |
| 36                                                                                         | 27.1     | 24.4 | -    | 14.2    | -    | -   |  |
| 40                                                                                         | 26.6     | 23.2 | 19.1 | 14.1    | -    | -   |  |
| 48                                                                                         | 25.4     | 21.1 | 18.0 | 13.8    | -    | -   |  |
| 56                                                                                         | 23.9     | 19.5 | 16.8 | 13.4    | 12.1 | -   |  |
| 64                                                                                         | 21.7     | 18.1 | 16.0 | 13.1    | 11.6 | -   |  |
| 72                                                                                         | 18.6     | 16.8 | 15.2 | 12.8    | 11.0 | 8.6 |  |
| 80                                                                                         | 15.9     | 15.5 | 14.5 | 12.3    | 10.3 | 8.3 |  |
| 88                                                                                         | 13.3     | 13.8 | 13.7 | 11.6    | 9.7  | 8.1 |  |
| 96                                                                                         | 11.2     | 11.9 | 12.3 | 10.8    | 9.2  | 7.9 |  |
| 104                                                                                        | 9.8      | 9.9  | 10.4 | 9.8     | 8.9  | 7.7 |  |
| 112                                                                                        | 8.5      | 8.8  | -    | 8.5     | 8.3  | 7.7 |  |
| 120                                                                                        | 7.8      | 7.8  | -    | 7.2     | 7.8  | 7.4 |  |
| 128                                                                                        | 7.2      | 4.5  | -    | 6.4     | 6.9  | 7.2 |  |
| 136                                                                                        | 4.1      | -    | -    | 5.7     | 5.9  | 6.3 |  |
| 144                                                                                        | -        | -    | -    | 4.9     | 5.3  | 2.9 |  |
| 152                                                                                        | -        | -    | -    | 4.6     | 3.2  | -   |  |
| 160                                                                                        | -        | -    | -    | 2.3     | -    | -   |  |

|  39.4 ft |          |      |      |         |      |     |  |
|-------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|--|
|        | 32.8 ft  |      |      | 62.3 ft |      |     |  |
|                                                                                           | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |  |
| ft                                                                                        | 1,000 lb |      |      |         |      |     |  |
| 10                                                                                        | 29.1     | -    | -    | 21.1    | -    | -   |  |
| 12                                                                                        | 29.1     | -    | -    | 20.9    | -    | -   |  |
| 14                                                                                        | 29.1     | -    | -    | 20.8    | -    | -   |  |
| 16                                                                                        | 29.1     | 29.1 | -    | 20.6    | -    | -   |  |
| 18                                                                                        | 29.1     | 29.1 | -    | 20.3    | -    | -   |  |
| 20                                                                                        | 29.1     | 28.9 | -    | 20.0    | -    | -   |  |
| 24                                                                                        | 29.1     | 26.6 | -    | 19.2    | -    | -   |  |
| 28                                                                                        | 29.1     | 24.5 | 20.1 | 18.5    | -    | -   |  |
| 32                                                                                        | 28.9     | 22.8 | 19.2 | 17.6    | -    | -   |  |
| 36                                                                                        | 26.9     | 21.5 | 18.4 | 16.7    | 13.5 | -   |  |
| 40                                                                                        | 24.6     | 20.3 | 17.8 | 15.7    | 12.7 | -   |  |
| 48                                                                                        | 21.1     | 18.3 | 16.9 | 13.8    | 11.6 | -   |  |
| 56                                                                                        | 18.5     | 17.1 | -    | 12.2    | 10.4 | 9.2 |  |
| 64                                                                                        | -        | -    | -    | 11.0    | 9.6  | 8.7 |  |
| 72                                                                                        | -        | -    | -    | 9.9     | 9.1  | 8.2 |  |
| 80                                                                                        | -        | -    | -    | 9.2     | 8.6  | -   |  |
| 88                                                                                        | -        | -    | -    | 8.6     | -    | -   |  |

 \* 191.9 ft

| 19,000 lb |         |     |     |         |     |      | 360°     |         |      |      |         |     |     | 85%      |         |      |     |         |     |     |
|-----------|---------|-----|-----|---------|-----|------|----------|---------|------|------|---------|-----|-----|----------|---------|------|-----|---------|-----|-----|
| 194.9 ft  |         |     |     |         |     |      | 179.1 ft |         |      |      |         |     |     |          |         |      |     |         |     |     |
| ft        | 32.8 ft |     |     | 62.3 ft |     |      | ft       | 32.8 ft |      |      | 62.3 ft |     |     | ft       | 32.8 ft |      |     | 62.3 ft |     |     |
|           | 0°      | 20° | 40° | 0°      | 20° | 40°* |          | 0°      | 20°  | 40°  | 0°      | 20° | 40° |          | 0°      | 20°  | 40° | 0°      | 20° | 40° |
| 1,000 lb  |         |     |     |         |     |      | 1,000 lb |         |      |      |         |     |     | 1,000 lb |         |      |     |         |     |     |
| 48        | 8.4     | -   | -   | -       | -   | -    | 40       | 11.0    | -    | -    | -       | -   | -   | 48       | 11.0    | -    | -   | 6.4     | -   | -   |
| 56        | 8.4     | -   | -   | 4.9     | -   | -    | 48       | 11.0    | -    | -    | 6.4     | -   | -   | 56       | 11.0    | -    | -   | 6.4     | -   | -   |
| 64        | 8.4     | 8.4 | -   | 4.9     | -   | -    | 56       | 11.0    | -    | -    | 6.4     | -   | -   | 64       | 10.9    | 11.0 | -   | 6.4     | -   | -   |
| 72        | 7.7     | 8.4 | -   | 4.9     | -   | -    | 72       | 9.5     | 10.4 | 11.0 | 6.4     | -   | -   | 80       | 7.2     | 8.7  | 9.3 | 5.9     | 6.4 | -   |
| 80        | 5.7     | 7.2 | 8.1 | 4.6     | 4.9 | -    | 80       | 7.2     | 8.7  | 9.3  | 5.9     | 6.4 | -   | 88       | 5.4     | 6.6  | 7.7 | 4.8     | 6.1 | -   |
| 88        | 4.0     | 5.4 | 6.4 | 3.3     | 4.9 | -    | 88       | 5.4     | 6.6  | 7.7  | 4.8     | 6.1 | -   | 96       | 3.9     | 5.0  | 6.0 | 3.5     | 5.4 | 6.4 |
| 96        | 2.6     | 3.8 | 4.8 | 2.1     | 4.2 | -    | 96       | 3.9     | 5.0  | 6.0  | 3.5     | 5.4 | 6.4 | 104      | 2.8     | 3.7  | 4.6 | 2.3     | 4.1 | 5.5 |
| 104       | -       | 2.6 | 3.5 | -       | 3.0 | 4.9  | 104      | 2.8     | 3.7  | 4.6  | 2.3     | 4.1 | 5.5 | 112      | -       | 2.6  | 3.2 | -       | 3.0 | 4.6 |
| 112       | -       | -   | -   | -       | -   | 3.7  | 112      | -       | 2.6  | 3.2  | -       | 3.0 | 4.6 | 120      | -       | -    | 2.2 | -       | -   | 3.3 |
| 120       | -       | -   | -   | -       | -   | 2.6  | 128      | -       | -    | -    | -       | -   | 2.3 | 128      | -       | -    | -   | -       | -   | 2.3 |

| 109.6 ft |         |      |      |         |      |     |          |         |      |      |         |      |     |
|----------|---------|------|------|---------|------|-----|----------|---------|------|------|---------|------|-----|
| ft       | 32.8 ft |      |      | 62.3 ft |      |     | ft       | 32.8 ft |      |      | 62.3 ft |      |     |
|          | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |          | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |
| 1,000 lb |         |      |      |         |      |     | 1,000 lb |         |      |      |         |      |     |
| 20       | 29.1    | -    | -    | -       | -    | -   | 10       | 29.1    | -    | -    | 21.1    | -    | -   |
| 24       | 28.7    | -    | -    | 14.7    | -    | -   | 12       | 29.1    | -    | -    | 20.9    | -    | -   |
| 28       | 28.2    | -    | -    | 14.6    | -    | -   | 14       | 29.1    | -    | -    | 20.8    | -    | -   |
| 32       | 27.7    | -    | -    | 14.4    | -    | -   | 16       | 29.1    | 29.1 | -    | 20.6    | -    | -   |
| 36       | 27.1    | 24.4 | -    | 14.2    | -    | -   | 18       | 29.1    | 29.1 | -    | 20.3    | -    | -   |
| 40       | 26.6    | 23.2 | 19.1 | 14.1    | -    | -   | 20       | 29.1    | 28.9 | -    | 20.0    | -    | -   |
| 48       | 24.4    | 21.1 | 18.0 | 13.8    | -    | -   | 24       | 29.1    | 26.6 | -    | 19.2    | -    | -   |
| 56       | 20.0    | 19.4 | 16.8 | 13.4    | 12.1 | -   | 28       | 29.1    | 24.5 | 20.1 | 18.5    | -    | -   |
| 64       | 16.4    | 16.9 | 16.0 | 13.1    | 11.6 | -   | 32       | 28.9    | 22.8 | 19.2 | 17.6    | -    | -   |
| 72       | 13.3    | 14.4 | 14.4 | 12.8    | 11.0 | 8.6 | 36       | 26.9    | 21.5 | 18.4 | 16.7    | 13.5 | -   |
| 80       | 11.6    | 11.7 | 12.4 | 11.2    | 10.3 | 8.3 | 40       | 24.6    | 20.3 | 17.8 | 15.7    | 12.7 | -   |
| 88       | 9.5     | 10.0 | 10.1 | 9.3     | 9.6  | 8.1 | 48       | 21.1    | 18.3 | 16.9 | 13.8    | 11.6 | -   |
| 96       | 7.8     | 8.4  | 8.9  | 7.9     | 8.7  | 7.9 | 56       | 18.5    | 17.1 | -    | 12.2    | 10.4 | 9.2 |
| 104      | 6.3     | 6.8  | 7.3  | 6.8     | 7.4  | 7.7 | 64       | -       | -    | -    | 11.0    | 9.6  | 8.7 |
| 112      | 5.2     | 5.7  | -    | 5.5     | 5.9  | 6.8 | 72       | -       | -    | -    | 9.9     | 9.1  | 8.2 |
| 120      | 4.2     | 4.6  | -    | 4.6     | 5.5  | 5.5 | 80       | -       | -    | -    | 9.2     | 8.6  | -   |
| 128      | 3.4     | 3.6  | -    | 3.6     | 4.4  | 4.8 | 88       | -       | -    | -    | 8.6     | -    | -   |
| 136      | 2.6     | -    | -    | 2.8     | 3.5  | 3.9 |          |         |      |      |         |      |     |
| 144      | -       | -    | -    | 2.2     | 2.7  | 2.9 |          |         |      |      |         |      |     |
| 152      | -       | -    | -    | -       | 2.1  | -   |          |         |      |      |         |      |     |

 \*191.9 ft

|  13,400 lb                                                                         |          |  26.6 ft x 23.6 ft |     | 360°    |     |      |                                                                                                                                                                     | 85 %                                                                                       |      |         |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|-----|---------|-----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------|---------|-----|
|  194.9 ft                                                                          |          |                                                                                                     |     |         |     |      |                                                                                                                                                                     |  179.1 ft |      |         |     |
|   | 32.8 ft  |                                                                                                     |     | 62.3 ft |     |      |   | 32.8 ft                                                                                    |      | 62.3 ft |     |
|                                                                                                                                                                     | 0°       | 20°                                                                                                 | 40° | 0°      | 20° | 40°* |                                                                                                                                                                     | 0°                                                                                         | 20°  | 40°     |     |
| ft                                                                                                                                                                  | 1,000 lb |                                                                                                     |     |         |     |      |                                                                                                                                                                     |                                                                                            |      |         |     |
| 48                                                                                                                                                                  | 8.4      | -                                                                                                   | -   | -       | -   | -    | 40                                                                                                                                                                  | 11.0                                                                                       | -    | -       | -   |
| 56                                                                                                                                                                  | 8.4      | -                                                                                                   | -   | 4.9     | -   | -    | 48                                                                                                                                                                  | 11.0                                                                                       | -    | 6.4     | -   |
| 64                                                                                                                                                                  | 8.0      | 8.4                                                                                                 | -   | 4.9     | -   | -    | 56                                                                                                                                                                  | 11.0                                                                                       | -    | 6.4     | -   |
| 72                                                                                                                                                                  | 6.0      | 7.5                                                                                                 | -   | 4.9     | -   | -    | 64                                                                                                                                                                  | 9.7                                                                                        | 10.7 | 6.4     | -   |
| 80                                                                                                                                                                  | 3.9      | 5.5                                                                                                 | 6.9 | 3.3     | 4.9 | -    | 72                                                                                                                                                                  | 7.5                                                                                        | 9.1  | 10.1    | 6.0 |
| 88                                                                                                                                                                  | 2.4      | 3.9                                                                                                 | 5.0 | -       | 4.3 | -    | 80                                                                                                                                                                  | 5.5                                                                                        | 7.0  | 8.1     | 4.8 |
| 96                                                                                                                                                                  | -        | 2.4                                                                                                 | 3.4 | -       | 2.8 | -    | 88                                                                                                                                                                  | 4.0                                                                                        | 5.2  | 6.2     | 3.3 |
| 104                                                                                                                                                                 | -        | -                                                                                                   | 2.1 | -       | -   | 3.7  | 96                                                                                                                                                                  | 2.6                                                                                        | 3.7  | 4.6     | 2.1 |
| 112                                                                                                                                                                 | -        | -                                                                                                   | -   | -       | -   | 2.6  | 104                                                                                                                                                                 | -                                                                                          | 2.4  | 3.3     | -   |
|                                                                                                                                                                     |          |                                                                                                     |     |         |     |      | 112                                                                                                                                                                 | -                                                                                          | -    | -       | 3.2 |
|                                                                                                                                                                     |          |                                                                                                     |     |         |     |      | 120                                                                                                                                                                 | -                                                                                          | -    | -       | 2.2 |



109.6 ft

|   | 32.8 ft  |      |      | 62.3 ft |      |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|
|                                                                                                                                                                     | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft                                                                                                                                                                  | 1,000 lb |      |      |         |      |     |
| 20                                                                                                                                                                  | 29.1     | -    | -    | -       | -    | -   |
| 24                                                                                                                                                                  | 28.7     | -    | -    | 14.7    | -    | -   |
| 28                                                                                                                                                                  | 28.2     | -    | -    | 14.6    | -    | -   |
| 32                                                                                                                                                                  | 27.7     | -    | -    | 14.4    | -    | -   |
| 36                                                                                                                                                                  | 27.1     | 24.4 | -    | 14.2    | -    | -   |
| 40                                                                                                                                                                  | 26.4     | 23.2 | 19.1 | 14.1    | -    | -   |
| 48                                                                                                                                                                  | 23.1     | 21.1 | 18.0 | 13.8    | -    | -   |
| 56                                                                                                                                                                  | 18.5     | 18.6 | 16.8 | 13.4    | 12.1 | -   |
| 64                                                                                                                                                                  | 14.9     | 15.7 | 15.8 | 13.1    | 11.6 | -   |
| 72                                                                                                                                                                  | 12.4     | 12.9 | 13.5 | 11.7    | 11.0 | 8.6 |
| 80                                                                                                                                                                  | 10.0     | 10.9 | 10.9 | 9.8     | 10.2 | 8.3 |
| 88                                                                                                                                                                  | 8.1      | 8.8  | 9.4  | 8.4     | 9.2  | 8.1 |
| 96                                                                                                                                                                  | 6.5      | 7.1  | 7.5  | 6.9     | 7.8  | 7.8 |
| 104                                                                                                                                                                 | 5.2      | 5.7  | 5.9  | 5.6     | 6.5  | 7.2 |
| 112                                                                                                                                                                 | 4.1      | 4.6  | -    | 4.6     | 5.5  | 5.9 |
| 120                                                                                                                                                                 | 3.3      | 3.6  | -    | 3.6     | 4.4  | 5.0 |
| 128                                                                                                                                                                 | 2.4      | 2.8  | -    | 2.8     | 3.4  | 4.0 |
| 136                                                                                                                                                                 | 1.9      | -    | -    | 2.1     | 2.6  | 3.0 |
| 144                                                                                                                                                                 | -        | -    | -    | -       | 2.0  | 2.2 |

|  39.4 ft |          |      |      |         |      |     |  |
|-------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|--|
|  32.8 ft | 32.8 ft  |      |      | 62.3 ft |      |     |  |
|                                                                                           | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |  |
| ft                                                                                        | 1,000 lb |      |      |         |      |     |  |
| 10                                                                                        | 29.1     | -    | -    | 21.1    | -    | -   |  |
| 12                                                                                        | 29.1     | -    | -    | 20.9    | -    | -   |  |
| 14                                                                                        | 29.1     | -    | -    | 20.8    | -    | -   |  |
| 16                                                                                        | 29.1     | 29.1 | -    | 20.6    | -    | -   |  |
| 18                                                                                        | 29.1     | 29.1 | -    | 20.3    | -    | -   |  |
| 20                                                                                        | 29.1     | 28.9 | -    | 20.0    | -    | -   |  |
| 24                                                                                        | 29.1     | 26.6 | -    | 19.2    | -    | -   |  |
| 28                                                                                        | 29.1     | 24.5 | 20.1 | 18.5    | -    | -   |  |
| 32                                                                                        | 28.9     | 22.8 | 19.2 | 17.6    | -    | -   |  |
| 36                                                                                        | 26.9     | 21.5 | 18.4 | 16.7    | 13.5 | -   |  |
| 40                                                                                        | 24.6     | 20.3 | 17.8 | 15.7    | 12.7 | -   |  |
| 48                                                                                        | 21.1     | 18.3 | 16.9 | 13.8    | 11.6 | -   |  |
| 56                                                                                        | 18.5     | 17.1 | -    | 12.2    | 10.4 | 9.2 |  |
| 64                                                                                        | -        | -    | -    | 11.0    | 9.6  | 8.7 |  |
| 72                                                                                        | -        | -    | -    | 9.9     | 9.1  | 8.2 |  |
| 80                                                                                        | -        | -    | -    | 9.2     | 8.6  | -   |  |
| 88                                                                                        | -        | -    | -    | 8.6     | -    | -   |  |

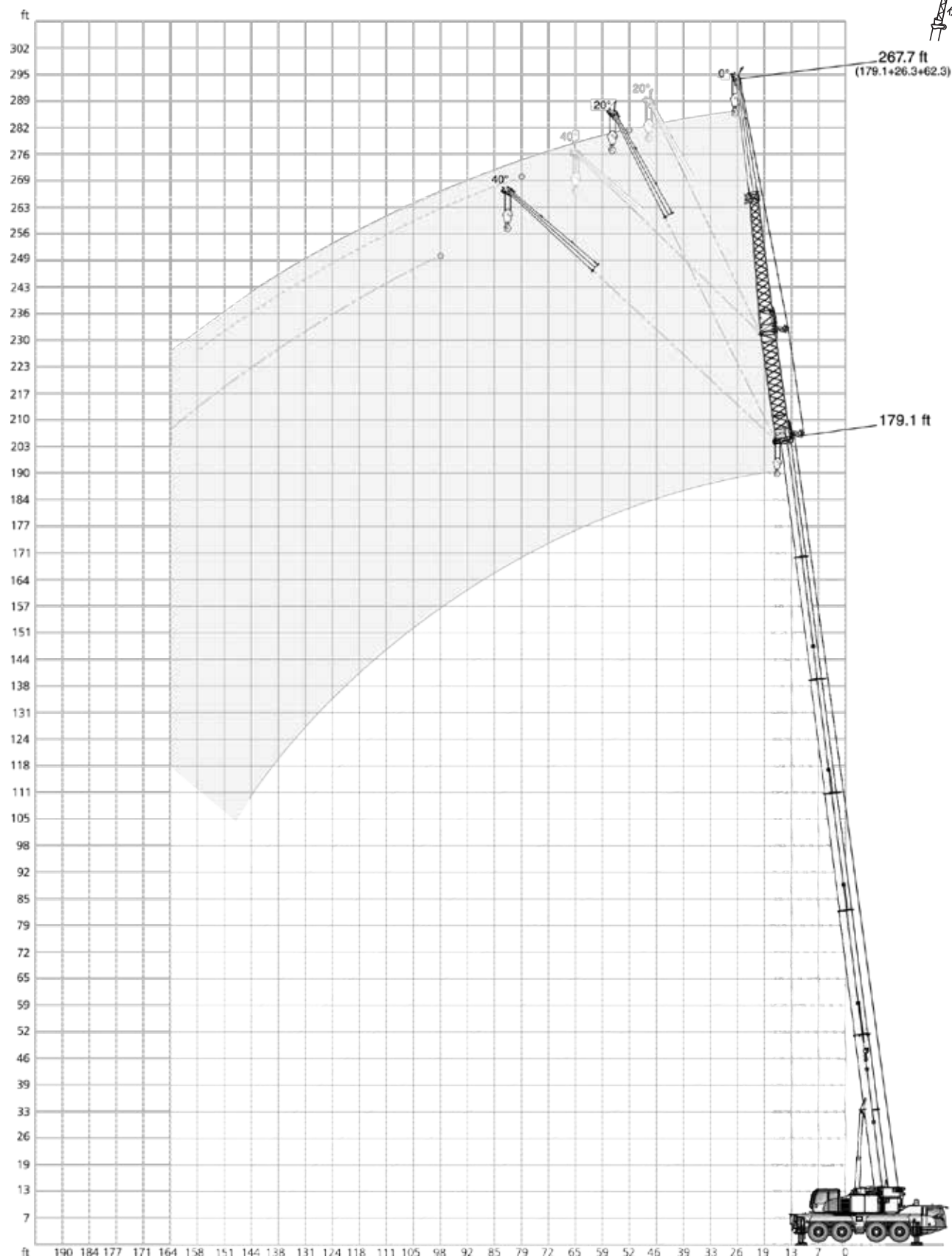
 \*191.9 ft

| 9,500 lb                                                                                   |                                                                                   |          |     | 26.6 ft x 23.6 ft |         |     |      | 360°                                                                                       |                                                                                   |          |     | 85 % |         |     |     |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----|-------------------|---------|-----|------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----|------|---------|-----|-----|
|  194.9 ft |                                                                                   |          |     |                   |         |     |      |  179.1 ft |                                                                                   |          |     |      |         |     |     |
|           |  | 32.8 ft  |     |                   | 62.3 ft |     |      |           |  | 32.8 ft  |     |      | 62.3 ft |     |     |
|                                                                                            |                                                                                   | 0°       | 20° | 40°               | 0°      | 20° | 40°* |                                                                                            |                                                                                   | 0°       | 20° | 40°  |         |     |     |
| ft                                                                                         |                                                                                   | 1,000 lb |     |                   |         |     |      | ft                                                                                         |                                                                                   | 1,000 lb |     |      |         |     |     |
| 48                                                                                         |                                                                                   | 8.4      | -   | -                 | -       | -   | -    | 40                                                                                         |                                                                                   | 11.0     | -   | -    | -       | -   | -   |
| 56                                                                                         |                                                                                   | 8.4      | -   | -                 | 4.9     | -   | -    | 48                                                                                         |                                                                                   | 11.0     | -   | -    | 6.4     | -   | -   |
| 64                                                                                         |                                                                                   | 6.7      | 8.2 | -                 | 4.9     | -   | -    | 56                                                                                         |                                                                                   | 10.4     | -   | -    | 6.4     | -   | -   |
| 72                                                                                         |                                                                                   | 4.5      | 6.2 | -                 | 3.6     | -   | -    | 64                                                                                         |                                                                                   | 8.5      | 9.9 | -    | 6.4     | -   | -   |
| 80                                                                                         |                                                                                   | 2.7      | 4.2 | 5.7               | -       | 4.6 | -    | 72                                                                                         |                                                                                   | 6.0      | 7.8 | 9.1  | 5.3     | -   | -   |
| 88                                                                                         |                                                                                   | -        | 2.6 | 3.9               | -       | 3.2 | -    | 80                                                                                         |                                                                                   | 4.2      | 5.7 | 6.9  | 3.5     | 5.8 | -   |
| 96                                                                                         |                                                                                   | -        | -   | 2.4               | -       | -   | -    | 88                                                                                         |                                                                                   | 2.7      | 4.0 | 5.0  | 2.2     | 4.5 | -   |
| 104                                                                                        |                                                                                   | -        | -   | -                 | -       | -   | 2.8  | 96                                                                                         |                                                                                   | -        | 2.6 | 3.5  | -       | 3.1 | 5.0 |
|                                                                                            |                                                                                   |          |     |                   |         |     |      | 104                                                                                        |                                                                                   | -        | -   | 2.3  | -       | 1.9 | 3.7 |
|                                                                                            |                                                                                   |          |     |                   |         |     |      | 112                                                                                        |                                                                                   | -        | -   | -    | -       | -   | 2.4 |

|  109.6 ft |                                                                                   |          |      |      |         |      |     |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|------|---------|------|-----|
|           |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|                                                                                            |                                                                                   | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft                                                                                         |                                                                                   | 1,000 lb |      |      |         |      |     |
| 20                                                                                         |                                                                                   | 29.1     | -    | -    | -       | -    | -   |
| 24                                                                                         |                                                                                   | 28.7     | -    | -    | 14.7    | -    | -   |
| 28                                                                                         |                                                                                   | 28.2     | -    | -    | 14.6    | -    | -   |
| 32                                                                                         |                                                                                   | 27.7     | -    | -    | 14.4    | -    | -   |
| 36                                                                                         |                                                                                   | 27.0     | 24.4 | -    | 14.2    | -    | -   |
| 40                                                                                         |                                                                                   | 26.2     | 23.2 | 19.1 | 14.1    | -    | -   |
| 48                                                                                         |                                                                                   | 21.3     | 20.8 | 18.0 | 13.8    | -    | -   |
| 56                                                                                         |                                                                                   | 17.3     | 17.8 | 16.8 | 13.4    | 12.1 | -   |
| 64                                                                                         |                                                                                   | 14.0     | 14.6 | 15.0 | 12.3    | 11.6 | -   |
| 72                                                                                         |                                                                                   | 11.1     | 11.9 | 12.4 | 10.8    | 11.0 | 8.6 |
| 80                                                                                         |                                                                                   | 8.9      | 9.8  | 10.3 | 9.2     | 9.9  | 8.3 |
| 88                                                                                         |                                                                                   | 7.2      | 7.8  | 8.4  | 7.5     | 8.4  | 8.1 |
| 96                                                                                         |                                                                                   | 5.6      | 6.2  | 6.7  | 5.9     | 6.9  | 7.7 |
| 104                                                                                        |                                                                                   | 4.3      | 5.0  | 5.2  | 4.8     | 5.9  | 6.4 |
| 112                                                                                        |                                                                                   | 3.3      | 3.7  | -    | 3.7     | 4.8  | 5.5 |
| 120                                                                                        |                                                                                   | 2.5      | 2.8  | -    | 2.9     | 3.7  | 4.4 |
| 128                                                                                        |                                                                                   | -        | 2.0  | -    | 2.1     | 2.8  | 3.3 |
| 136                                                                                        |                                                                                   | -        | -    | -    | -       | 1.9  | 2.4 |
| 144                                                                                        |                                                                                   | -        | -    | -    | -       | -    | 1.6 |

 \* 191.9 ft

|  39.4 ft |                                                                                   |          |      |      |         |      |     |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|------|---------|------|-----|
|          |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|                                                                                           |                                                                                   | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft                                                                                        |                                                                                   | 1,000 lb |      |      |         |      |     |
| 10                                                                                        |                                                                                   | 29.1     | -    | -    | 21.1    | -    | -   |
| 12                                                                                        |                                                                                   | 29.1     | -    | -    | 20.9    | -    | -   |
| 14                                                                                        |                                                                                   | 29.1     | -    | -    | 20.8    | -    | -   |
| 16                                                                                        |                                                                                   | 29.1     | 29.1 | -    | 20.6    | -    | -   |
| 18                                                                                        |                                                                                   | 29.1     | 29.1 | -    | 20.3    | -    | -   |
| 20                                                                                        |                                                                                   | 29.1     | 28.9 | -    | 20.0    | -    | -   |
| 24                                                                                        |                                                                                   | 29.1     | 26.6 | -    | 19.2    | -    | -   |
| 28                                                                                        |                                                                                   | 29.1     | 24.5 | 20.1 | 18.5    | -    | -   |
| 32                                                                                        |                                                                                   | 28.9     | 22.8 | 19.2 | 17.6    | -    | -   |
| 36                                                                                        |                                                                                   | 26.9     | 21.5 | 18.4 | 16.7    | 13.5 | -   |
| 40                                                                                        |                                                                                   | 24.6     | 20.3 | 17.8 | 15.7    | 12.7 | -   |
| 48                                                                                        |                                                                                   | 21.1     | 18.3 | 16.9 | 13.8    | 11.6 | -   |
| 56                                                                                        |                                                                                   | 17.6     | 16.9 | -    | 12.2    | 10.4 | 9.2 |
| 64                                                                                        |                                                                                   | -        | -    | -    | 11.0    | 9.6  | 8.7 |
| 72                                                                                        |                                                                                   | -        | -    | -    | 9.9     | 9.1  | 8.2 |
| 80                                                                                        |                                                                                   | -        | -    | -    | 9.2     | 8.6  | -   |
| 88                                                                                        |                                                                                   | -        | -    | -    | 8.5     | -    | -   |



| 54,000 lb |     | 26.6 ft x 23.6 ft |     | 360°     |     | 85%      |   |
|-----------|-----|-------------------|-----|----------|-----|----------|---|
| 194.9 ft  |     |                   |     | 179.1 ft |     |          |   |
|           |     | 26.3 ft           |     |          |     | 26.3 ft  |   |
|           |     | 0°                | 0°  | 0°       | 20° | 40°      |   |
|           |     | 62.3 ft           |     |          |     | 62.3 ft  |   |
|           |     | 0°                | 20° | 40°*     | 0°  | 0°       |   |
| ft        |     | 1,000 lb          |     |          |     | 1,000 lb |   |
| 56        | 4.6 | -                 | -   | -        | -   | -        | - |
| 64        | 4.6 | -                 | -   | -        | -   | -        | - |
| 72        | 4.6 | 4.6               | -   | -        | -   | -        | - |
| 80        | 4.6 | 4.6               | 5.1 | -        | -   | -        | - |
| 88        | 4.6 | 4.6               | 5.1 | -        | -   | -        | - |
| 96        | 4.6 | 4.6               | 5.1 | -        | -   | -        | - |
| 104       | 4.6 | 4.6               | 5.1 | -        | -   | -        | - |
| 112       | 4.6 | 4.6               | 5.0 | -        | -   | -        | - |
| 120       | 4.4 | 4.6               | 4.6 | -        | -   | -        | - |
| 128       | 3.5 | 4.2               | 4.2 | -        | -   | -        | - |
| 136       | 2.6 | 3.5               | 3.8 | -        | -   | -        | - |
| 144       | 1.8 | 2.5               | 3.3 | -        | -   | -        | - |
| 152       | -   | -                 | 2.5 | -        | -   | -        | - |

| 179.1 ft |     |          |     | 179.1 ft |     |          |     |
|----------|-----|----------|-----|----------|-----|----------|-----|
|          |     | 26.3 ft  |     |          |     | 26.3 ft  |     |
|          |     | 0°       | 0°  | 0°       | 20° | 40°      |     |
|          |     | 62.3 ft  |     |          |     | 62.3 ft  |     |
|          |     | 0°       | 20° | 40°      | 0°  | 0°       |     |
| ft       |     | 1,000 lb |     |          |     | 1,000 lb |     |
| 48       | 6.6 | -        | -   | -        | -   | -        | -   |
| 56       | 6.6 | -        | -   | -        | -   | -        | -   |
| 64       | 6.6 | -        | -   | -        | -   | -        | -   |
| 72       | 6.6 | 6.6      | -   | -        | -   | -        | -   |
| 80       | 6.6 | 6.6      | 6.6 | 6.6      | 6.6 | -        | -   |
| 88       | 6.5 | 6.6      | 6.6 | 6.6      | 6.6 | -        | -   |
| 96       | 6.4 | 6.5      | 6.6 | 6.5      | 6.5 | 6.5      | 6.5 |
| 104      | 6.4 | 6.4      | 6.6 | 6.4      | 6.4 | 6.0      | 6.0 |
| 112      | 6.1 | 6.2      | 6.4 | 6.2      | 6.2 | 5.7      | 5.7 |
| 120      | 5.3 | 6.0      | 6.3 | 6.1      | 6.1 | 5.7      | 5.7 |
| 128      | 4.2 | 5.1      | 5.7 | 5.6      | 5.6 | 5.4      | 5.4 |
| 136      | 3.8 | 4.0      | 4.7 | 4.7      | 4.7 | 5.1      | 5.1 |
| 144      | 2.9 | 3.3      | 3.6 | 3.6      | 3.6 | 4.2      | 4.2 |
| 152      | 2.1 | 2.8      | 3.0 | 2.5      | 2.5 | 3.2      | 3.2 |
| 160      | -   | -        | 2.2 | -        | -   | 2.4      | 2.4 |

|  109.6 ft |                                                                                     |          |      |      |      |     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|------|-----|
|          |  | 26.3 ft  |      |      |      |     |
|                                                                                             |                                                                                     | 0°       | 0°   | 0°   | 20°  | 40° |
|                                                                                             |                                                                                     | 62.3 ft  |      |      |      |     |
|                                                                                             |                                                                                     | 0°       | 20°  | 40°  | 0°   | 0°  |
| ft                                                                                          |                                                                                     | 1,000 lb |      |      |      |     |
| 24                                                                                          |                                                                                     | 18.4     | -    | -    | -    | -   |
| 28                                                                                          |                                                                                     | 18.1     | -    | -    | -    | -   |
| 32                                                                                          |                                                                                     | 17.7     | -    | -    | -    | -   |
| 36                                                                                          |                                                                                     | 17.4     | -    | -    | -    | -   |
| 40                                                                                          |                                                                                     | 17.2     | 16.9 | -    | -    | -   |
| 48                                                                                          |                                                                                     | 16.5     | 16.0 | 14.5 | 13.9 | -   |
| 56                                                                                          |                                                                                     | 15.9     | 15.0 | 13.5 | 13.1 | -   |
| 64                                                                                          |                                                                                     | 15.2     | 13.9 | 12.6 | 12.1 | -   |
| 72                                                                                          |                                                                                     | 14.1     | 12.6 | 11.7 | 11.3 | 9.5 |
| 80                                                                                          |                                                                                     | 13.0     | 11.7 | 10.9 | 10.5 | 9.0 |
| 88                                                                                          |                                                                                     | 11.8     | 10.8 | 10.2 | 9.7  | 8.5 |
| 96                                                                                          |                                                                                     | 10.8     | 9.9  | 9.6  | 9.2  | 8.1 |
| 104                                                                                         |                                                                                     | 10.0     | 9.3  | 9.1  | 8.7  | 7.7 |
| 112                                                                                         |                                                                                     | 9.0      | 8.8  | 8.6  | 8.1  | 7.5 |
| 120                                                                                         |                                                                                     | 7.7      | 8.1  | 7.9  | 7.7  | 7.2 |
| 128                                                                                         |                                                                                     | 6.8      | 7.2  | 7.2  | 7.1  | 6.9 |
| 136                                                                                         |                                                                                     | 5.8      | 6.0  | 2.3  | 6.2  | 6.5 |
| 144                                                                                         |                                                                                     | 4.7      | 4.9  | -    | 5.1  | -   |
| 152                                                                                         |                                                                                     | 4.3      | -    | -    | -    | -   |

 \*191.9 ft

|  39.4 ft |                                                                                     |          |      |      |      |      |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|------|------|
|         |  | 26.3 ft  |      |      |      |      |
|                                                                                            |                                                                                     | 0°       | 0°   | 0°   | 20°  | 40°  |
|                                                                                            |                                                                                     | 62.3 ft  |      |      |      |      |
|                                                                                            |                                                                                     | 0°       | 20°  | 40°  | 0°   | 0°   |
| ft                                                                                         |                                                                                     | 1,000 lb |      |      |      |      |
| 10                                                                                         |                                                                                     | 29.1     | -    | -    | -    | -    |
| 12                                                                                         |                                                                                     | 29.1     | -    | -    | -    | -    |
| 14                                                                                         |                                                                                     | 29.1     | -    | -    | -    | -    |
| 16                                                                                         |                                                                                     | 29.1     | -    | -    | -    | -    |
| 18                                                                                         |                                                                                     | 28.9     | -    | -    | -    | -    |
| 20                                                                                         |                                                                                     | 28.4     | -    | -    | -    | -    |
| 24                                                                                         |                                                                                     | 25.6     | 21.9 | -    | -    | -    |
| 28                                                                                         |                                                                                     | 23.2     | 20.0 | -    | -    | -    |
| 32                                                                                         |                                                                                     | 20.9     | 18.4 | 16.8 | 16.3 | -    |
| 36                                                                                         |                                                                                     | 19.2     | 17.1 | 15.7 | 15.2 | -    |
| 40                                                                                         |                                                                                     | 17.6     | 15.9 | 14.6 | 14.2 | -    |
| 48                                                                                         |                                                                                     | 15.2     | 13.9 | 13.1 | 12.7 | 11.0 |
| 56                                                                                         |                                                                                     | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                         |                                                                                     | 11.8     | 11.2 | 10.8 | 10.4 | 9.4  |
| 72                                                                                         |                                                                                     | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                         |                                                                                     | 9.5      | 9.4  | -    | 9.0  | -    |

| 42,500 lb |     | 26.6 ft x 23.6 ft |     | 360°     |     | 85% |  |
|-----------|-----|-------------------|-----|----------|-----|-----|--|
| 194.9 ft  |     |                   |     | 179.1 ft |     |     |  |
|           |     | 26.3 ft           |     | 26.3 ft  |     |     |  |
|           |     | 0°                | 0°  | 0°       | 20° | 40° |  |
|           |     | 62.3 ft           |     | 62.3 ft  |     |     |  |
|           |     | 0°                | 20° | 40°*     | 0°  | 0°  |  |
|           |     | 1,000 lb          |     | 1,000 lb |     |     |  |
|           |     | ft                |     | ft       |     |     |  |
| 56        | 4.6 | -                 | -   | -        | -   | -   |  |
| 64        | 4.6 | -                 | -   | -        | -   | -   |  |
| 72        | 4.6 | 4.6               | -   | -        | -   | -   |  |
| 80        | 4.6 | 4.6               | 5.1 | -        | -   | -   |  |
| 88        | 4.6 | 4.6               | 5.1 | -        | -   | -   |  |
| 96        | 4.6 | 4.6               | 5.1 | -        | -   | -   |  |
| 104       | 4.6 | 4.6               | 5.1 | -        | -   | -   |  |
| 112       | 3.7 | 4.6               | 5.0 | -        | -   | -   |  |
| 120       | 2.6 | 3.5               | 4.4 | -        | -   | -   |  |
| 128       | -   | 2.5               | 3.4 | -        | -   | -   |  |
| 136       | -   | -                 | 2.4 | -        | -   | -   |  |

|                                                                                     |                                                                                     |          |      |      |     |     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|-----|-----|
|    |                                                                                     | 109.6 ft |      |      |     |     |
|  |  | 26.3 ft  |      |      |     |     |
|                                                                                     |                                                                                     | 0°       | 0°   | 0°   | 20° | 40° |
|                                                                                     |                                                                                     | 62.3 ft  |      |      |     |     |
|                                                                                     |                                                                                     | 0°       | 20°  | 40°  | 0°  | 0°  |
| ft                                                                                  |                                                                                     | 1,000 lb |      |      |     |     |
| 24                                                                                  | 18.4                                                                                | -        | -    | -    | -   | -   |
| 28                                                                                  | 18.1                                                                                | -        | -    | -    | -   | -   |
| 32                                                                                  | 17.7                                                                                | -        | -    | -    | -   | -   |
| 36                                                                                  | 17.4                                                                                | -        | -    | -    | -   | -   |
| 40                                                                                  | 17.2                                                                                | 16.9     | -    | -    | -   | -   |
| 48                                                                                  | 16.5                                                                                | 16.0     | 14.5 | 13.9 | -   | -   |
| 56                                                                                  | 15.9                                                                                | 15.0     | 13.5 | 13.1 | -   | -   |
| 64                                                                                  | 15.2                                                                                | 13.9     | 12.6 | 12.1 | -   | -   |
| 72                                                                                  | 14.1                                                                                | 12.6     | 11.7 | 11.3 | 9.5 | -   |
| 80                                                                                  | 13.0                                                                                | 11.7     | 10.9 | 10.5 | 9.0 | -   |
| 88                                                                                  | 11.6                                                                                | 10.8     | 10.2 | 9.7  | 8.5 | -   |
| 96                                                                                  | 10.5                                                                                | 9.9      | 9.6  | 9.2  | 8.1 | -   |
| 104                                                                                 | 9.0                                                                                 | 9.1      | 9.1  | 8.7  | 7.7 | -   |
| 112                                                                                 | 7.4                                                                                 | 8.1      | 8.3  | 7.9  | 7.5 | -   |
| 120                                                                                 | 6.2                                                                                 | 6.7      | 7.0  | 7.0  | 7.1 | -   |
| 128                                                                                 | 5.5                                                                                 | 5.5      | 5.6  | 5.7  | 6.3 | -   |
| 136                                                                                 | 4.7                                                                                 | 5.0      | 2.3  | 5.0  | 5.0 | -   |
| 144                                                                                 | 4.2                                                                                 | 4.2      | -    | 4.2  | -   | -   |
| 152                                                                                 | 3.7                                                                                 | -        | -    | -    | -   | -   |

 \*191.9 ft

|  39.4 ft   |  |          |      |      |      |      |
|---------------------------------------------------------------------------------------------|--|----------|------|------|------|------|
|  26.3 ft  |  | 0°       | 0°   | 0°   | 20°  | 40°  |
|  62.3 ft |  | 0°       | 20°  | 40°  | 0°   | 0°   |
| ft                                                                                          |  | 1,000 lb |      |      |      |      |
| 10                                                                                          |  | 29.1     | -    | -    | -    | -    |
| 12                                                                                          |  | 29.1     | -    | -    | -    | -    |
| 14                                                                                          |  | 29.1     | -    | -    | -    | -    |
| 16                                                                                          |  | 29.1     | -    | -    | -    | -    |
| 18                                                                                          |  | 28.9     | -    | -    | -    | -    |
| 20                                                                                          |  | 28.4     | -    | -    | -    | -    |
| 24                                                                                          |  | 25.6     | 21.9 | -    | -    | -    |
| 28                                                                                          |  | 23.2     | 20.0 | -    | -    | -    |
| 32                                                                                          |  | 20.9     | 18.4 | 16.8 | 16.3 | -    |
| 36                                                                                          |  | 19.2     | 17.1 | 15.7 | 15.2 | -    |
| 40                                                                                          |  | 17.6     | 15.9 | 14.6 | 14.2 | -    |
| 48                                                                                          |  | 15.2     | 13.9 | 13.1 | 12.7 | 11.0 |
| 56                                                                                          |  | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                          |  | 11.8     | 11.2 | 10.8 | 10.4 | 9.4  |
| 72                                                                                          |  | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                          |  | 9.5      | 9.4  | -    | 9.0  | -    |

| 19,000 lb                                                                                  |     | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85%      |  |
|--------------------------------------------------------------------------------------------|-----|-------------------|-----|--------------------------------------------------------------------------------------------|-----|----------|--|
|  194.9 ft |     |                   |     |  179.1 ft |     |          |  |
|                                                                                            |     | 26.3 ft           |     | 26.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 0°  | 0°                                                                                         | 20° | 40°      |  |
|                                                                                            |     | 62.3 ft           |     | 62.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 20° | 40°*                                                                                       | 0°  | 0°       |  |
| ft                                                                                         |     | 1,000 lb          |     | ft                                                                                         |     | 1,000 lb |  |
| 56                                                                                         | 4.6 | -                 | -   | -                                                                                          | -   | -        |  |
| 64                                                                                         | 4.6 | -                 | -   | -                                                                                          | -   | -        |  |
| 72                                                                                         | 4.6 | 4.6               | -   | -                                                                                          | -   | -        |  |
| 80                                                                                         | 3.7 | 4.5               | 5.1 | -                                                                                          | -   | -        |  |
| 88                                                                                         | -   | 3.6               | 4.8 | -                                                                                          | -   | -        |  |
| 96                                                                                         | -   | 2.2               | 3.6 | -                                                                                          | -   | -        |  |
| 104                                                                                        | -   | -                 | 2.2 | -                                                                                          | -   | -        |  |

|                                                                                            |      |          |      |         |     |          |  |
|--------------------------------------------------------------------------------------------|------|----------|------|---------|-----|----------|--|
|  109.6 ft |      |          |      |         |     |          |  |
|                                                                                            |      | 26.3 ft  |      | 26.3 ft |     |          |  |
|                                                                                            |      | 0°       | 0°   | 0°      | 20° | 40°      |  |
|                                                                                            |      | 62.3 ft  |      | 62.3 ft |     |          |  |
|                                                                                            |      | 0°       | 20°  | 40°     | 0°  | 0°       |  |
| ft                                                                                         |      | 1,000 lb |      | ft      |     | 1,000 lb |  |
| 24                                                                                         | 18.4 | -        | -    | -       | -   | -        |  |
| 28                                                                                         | 18.1 | -        | -    | -       | -   | -        |  |
| 32                                                                                         | 17.7 | -        | -    | -       | -   | -        |  |
| 36                                                                                         | 17.4 | -        | -    | -       | -   | -        |  |
| 40                                                                                         | 17.2 | 16.9     | -    | -       | -   | -        |  |
| 48                                                                                         | 16.5 | 16.0     | 14.5 | 13.9    | -   | -        |  |
| 56                                                                                         | 15.9 | 15.0     | 13.5 | 13.1    | -   | -        |  |
| 64                                                                                         | 14.7 | 13.9     | 12.6 | 12.1    | -   | -        |  |
| 72                                                                                         | 12.2 | 12.6     | 11.7 | 11.3    | 9.5 | -        |  |
| 80                                                                                         | 10.4 | 10.9     | 10.8 | 10.4    | 9.0 | -        |  |
| 88                                                                                         | 8.2  | 9.2      | 9.6  | 9.3     | 8.5 | -        |  |
| 96                                                                                         | 7.0  | 7.3      | 8.1  | 7.8     | 8.0 | -        |  |
| 104                                                                                        | 5.7  | 6.3      | 6.4  | 6.2     | 7.2 | -        |  |
| 112                                                                                        | 4.3  | 5.0      | 5.4  | 5.5     | 5.7 | -        |  |
| 120                                                                                        | 3.3  | 3.9      | 4.2  | 4.4     | 4.8 | -        |  |
| 128                                                                                        | 2.5  | 3.0      | 3.2  | 3.3     | 3.7 | -        |  |
| 136                                                                                        | 1.7  | 2.2      | 2.3  | 2.4     | 2.7 | -        |  |

 \*191.9 ft

|                                                                                           |      |          |      |         |      |          |  |
|-------------------------------------------------------------------------------------------|------|----------|------|---------|------|----------|--|
|  39.4 ft |      |          |      |         |      |          |  |
|                                                                                           |      | 26.3 ft  |      | 26.3 ft |      |          |  |
|                                                                                           |      | 0°       | 0°   | 0°      | 20°  | 40°      |  |
|                                                                                           |      | 62.3 ft  |      | 62.3 ft |      |          |  |
|                                                                                           |      | 0°       | 20°  | 40°     | 0°   | 0°       |  |
| ft                                                                                        |      | 1,000 lb |      | ft      |      | 1,000 lb |  |
| 10                                                                                        | 29.1 | -        | -    | -       | -    | -        |  |
| 12                                                                                        | 29.1 | -        | -    | -       | -    | -        |  |
| 14                                                                                        | 29.1 | -        | -    | -       | -    | -        |  |
| 16                                                                                        | 29.1 | -        | -    | -       | -    | -        |  |
| 18                                                                                        | 28.9 | -        | -    | -       | -    | -        |  |
| 20                                                                                        | 28.4 | -        | -    | -       | -    | -        |  |
| 24                                                                                        | 25.6 | 21.9     | -    | -       | -    | -        |  |
| 28                                                                                        | 23.2 | 20.0     | -    | -       | -    | -        |  |
| 32                                                                                        | 20.9 | 18.4     | 16.8 | 16.3    | -    | -        |  |
| 36                                                                                        | 19.2 | 17.1     | 15.7 | 15.2    | -    | -        |  |
| 40                                                                                        | 17.6 | 15.9     | 14.6 | 14.2    | -    | -        |  |
| 48                                                                                        | 15.2 | 13.9     | 13.1 | 12.7    | 11.0 | -        |  |
| 56                                                                                        | 13.4 | 12.4     | 11.9 | 11.4    | 10.0 | -        |  |
| 64                                                                                        | 11.8 | 11.2     | 10.8 | 10.4    | 9.4  | -        |  |
| 72                                                                                        | 10.6 | 10.2     | 10.2 | 9.5     | 8.8  | -        |  |
| 80                                                                                        | 9.5  | 9.4      | -    | 9.0     | -    | -        |  |

| 13,400 lb                                                                                     |      | 26.6 ft x 23.6 ft |      | 360°                                                                                       |     | 85%      |  |
|-----------------------------------------------------------------------------------------------|------|-------------------|------|--------------------------------------------------------------------------------------------|-----|----------|--|
|  194.9 ft    |      |                   |      |  179.1 ft |     |          |  |
|                                                                                               |      | 26.3 ft           |      | 26.3 ft                                                                                    |     |          |  |
|                                                                                               |      | 0°                | 0°   | 0°                                                                                         | 20° | 40°      |  |
|                                                                                               |      | 62.3 ft           |      | 62.3 ft                                                                                    |     |          |  |
|                                                                                               |      | 0°                | 20°  | 40°*                                                                                       | 0°  | 0°       |  |
| ft                                                                                            |      | 1,000 lb          |      | ft                                                                                         |     | 1,000 lb |  |
| 56                                                                                            | 4.6  | -                 | -    | -                                                                                          | -   | -        |  |
| 64                                                                                            | 4.6  | -                 | -    | -                                                                                          | -   | -        |  |
| 72                                                                                            | 4.0  | 4.6               | -    | -                                                                                          | -   | -        |  |
| 80                                                                                            | -    | 3.9               | 4.9  | -                                                                                          | -   | -        |  |
| 88                                                                                            | -    | -                 | 3.8  | -                                                                                          | -   | -        |  |
| 96                                                                                            | -    | -                 | 2.2  | -                                                                                          | -   | -        |  |
|                                                                                               |      |                   |      |                                                                                            |     |          |  |
|  109.6 ft    |      |                   |      |  39.4 ft  |     |          |  |
|                                                                                               |      | 26.3 ft           |      | 26.3 ft                                                                                    |     |          |  |
|                                                                                               |      | 0°                | 0°   | 0°                                                                                         | 20° | 40°      |  |
|                                                                                               |      | 62.3 ft           |      | 62.3 ft                                                                                    |     |          |  |
|                                                                                               |      | 0°                | 20°  | 40°                                                                                        | 0°  | 0°       |  |
| ft                                                                                            |      | 1,000 lb          |      | ft                                                                                         |     | 1,000 lb |  |
| 24                                                                                            | 18.4 | -                 | -    | -                                                                                          | -   | -        |  |
| 28                                                                                            | 18.1 | -                 | -    | -                                                                                          | -   | -        |  |
| 32                                                                                            | 17.7 | -                 | -    | -                                                                                          | -   | -        |  |
| 36                                                                                            | 17.4 | -                 | -    | -                                                                                          | -   | -        |  |
| 40                                                                                            | 17.2 | 16.9              | -    | -                                                                                          | -   | -        |  |
| 48                                                                                            | 16.5 | 16.0              | 14.5 | 13.9                                                                                       | -   | -        |  |
| 56                                                                                            | 15.5 | 15.0              | 13.5 | 13.1                                                                                       | -   | -        |  |
| 64                                                                                            | 13.3 | 13.7              | 12.6 | 12.1                                                                                       | -   | -        |  |
| 72                                                                                            | 11.3 | 12.1              | 11.7 | 11.3                                                                                       | 9.5 | -        |  |
| 80                                                                                            | 8.9  | 10.0              | 10.4 | 10.0                                                                                       | 9.0 | -        |  |
| 88                                                                                            | 7.5  | 8.0               | 8.6  | 8.5                                                                                        | 8.4 | -        |  |
| 96                                                                                            | 5.8  | 6.6               | 6.8  | 6.7                                                                                        | 7.6 | -        |  |
| 104                                                                                           | 4.5  | 5.2               | 5.7  | 5.6                                                                                        | 6.2 | -        |  |
| 112                                                                                           | 3.5  | 3.9               | 4.3  | 4.3                                                                                        | 5.2 | -        |  |
| 120                                                                                           | 2.5  | 2.9               | 3.3  | 3.3                                                                                        | 3.9 | -        |  |
| 128                                                                                           | -    | 2.1               | 2.3  | 2.3                                                                                        | 2.9 | -        |  |
| 136                                                                                           | -    | -                 | -    | -                                                                                          | 1.8 | -        |  |
|                                                                                               |      |                   |      |                                                                                            |     |          |  |
|  *191.9 ft |      |                   |      |                                                                                            |     |          |  |

| 9,500 lb                                                                                   |     | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85%      |  |
|--------------------------------------------------------------------------------------------|-----|-------------------|-----|--------------------------------------------------------------------------------------------|-----|----------|--|
|  194.9 ft |     |                   |     |  179.1 ft |     |          |  |
|                                                                                            |     | 26.3 ft           |     | 26.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 0°  | 0°                                                                                         | 20° | 40°      |  |
|                                                                                            |     | 62.3 ft           |     | 62.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 20° | 40°*                                                                                       | 0°  | 0°       |  |
| ft                                                                                         |     | 1,000 lb          |     | ft                                                                                         |     | 1,000 lb |  |
| 56                                                                                         | 4.6 | -                 | -   | -                                                                                          | -   | -        |  |
| 64                                                                                         | 4.3 | -                 | -   | -                                                                                          | -   | -        |  |
| 72                                                                                         | 2.5 | 4.4               | -   | -                                                                                          | -   | -        |  |
| 80                                                                                         | -   | -                 | 4.3 | -                                                                                          | -   | -        |  |
| 88                                                                                         | -   | -                 | 2.5 | -                                                                                          | -   | -        |  |

|                                                                                                                                                                     |  |          |      |      |      |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|------|------|-----|
|  109.6 ft                                                                          |  |          |      |      |      |     |
|   |  | 26.3 ft  |      |      |      |     |
|                                                                                                                                                                     |  | 0°       | 0°   | 0°   | 20°  | 40° |
|                                                                                                                                                                     |  | 62.3 ft  |      |      |      |     |
|                                                                                                                                                                     |  | 0°       | 20°  | 40°  | 0°   | 0°  |
| ft                                                                                                                                                                  |  | 1,000 lb |      |      |      |     |
| 24                                                                                                                                                                  |  | 18.4     | -    | -    | -    | -   |
| 28                                                                                                                                                                  |  | 18.1     | -    | -    | -    | -   |
| 32                                                                                                                                                                  |  | 17.7     | -    | -    | -    | -   |
| 36                                                                                                                                                                  |  | 17.4     | -    | -    | -    | -   |
| 40                                                                                                                                                                  |  | 17.2     | 16.9 | -    | -    | -   |
| 48                                                                                                                                                                  |  | 16.4     | 16.0 | 14.5 | 13.9 | -   |
| 56                                                                                                                                                                  |  | 14.6     | 14.8 | 13.5 | 13.1 | -   |
| 64                                                                                                                                                                  |  | 12.3     | 13.2 | 12.6 | 12.1 | -   |
| 72                                                                                                                                                                  |  | 9.9      | 11.1 | 11.5 | 11.0 | 9.5 |
| 80                                                                                                                                                                  |  | 8.3      | 8.7  | 9.8  | 9.6  | 9.0 |
| 88                                                                                                                                                                  |  | 6.5      | 7.3  | 7.5  | 7.5  | 8.1 |
| 96                                                                                                                                                                  |  | 4.9      | 5.8  | 6.4  | 6.1  | 6.9 |
| 104                                                                                                                                                                 |  | 3.7      | 4.4  | 4.8  | 4.8  | 5.5 |
| 112                                                                                                                                                                 |  | 2.6      | 3.2  | 3.7  | 3.5  | 4.3 |
| 120                                                                                                                                                                 |  | -        | 2.2  | 2.6  | 2.5  | 3.1 |
| 128                                                                                                                                                                 |  | -        | -    | -    | -    | 2.1 |

|  39.4 ft                                                                           |  |          |      |      |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|------|------|------|
|                                                                                                                                                                     |  | 26.3 ft  |      |      |      |      |
|                                                                                                                                                                     |  | 0°       | 0°   | 0°   | 20°  | 40°  |
|                                                                                                                                                                     |  | 62.3 ft  |      |      |      |      |
|                                                                                                                                                                     |  | 0°       | 20°  | 40°  | 0°   | 0°   |
|   |  | 1,000 lb |      |      |      |      |
| ft                                                                                                                                                                  |  |          |      |      |      |      |
| 10                                                                                                                                                                  |  | 29.1     | -    | -    | -    | -    |
| 12                                                                                                                                                                  |  | 29.1     | -    | -    | -    | -    |
| 14                                                                                                                                                                  |  | 29.1     | -    | -    | -    | -    |
| 16                                                                                                                                                                  |  | 29.1     | -    | -    | -    | -    |
| 18                                                                                                                                                                  |  | 28.9     | -    | -    | -    | -    |
| 20                                                                                                                                                                  |  | 28.4     | -    | -    | -    | -    |
| 24                                                                                                                                                                  |  | 25.6     | 21.9 | -    | -    | -    |
| 28                                                                                                                                                                  |  | 23.2     | 20.0 | -    | -    | -    |
| 32                                                                                                                                                                  |  | 20.9     | 18.4 | 16.8 | 16.3 | -    |
| 36                                                                                                                                                                  |  | 19.2     | 17.1 | 15.7 | 15.2 | -    |
| 40                                                                                                                                                                  |  | 17.6     | 15.9 | 14.6 | 14.2 | -    |
| 48                                                                                                                                                                  |  | 15.2     | 13.9 | 13.1 | 12.7 | 11.0 |
| 56                                                                                                                                                                  |  | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                                                                                                  |  | 11.8     | 11.2 | 10.8 | 10.4 | 9.4  |
| 72                                                                                                                                                                  |  | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                                                                                                  |  | 9.4      | 9.3  | -    | 9.0  | -    |

 \*191.9 ft

| 54,000 lb                                                                                  |     | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85%      |  |
|--------------------------------------------------------------------------------------------|-----|-------------------|-----|--------------------------------------------------------------------------------------------|-----|----------|--|
|  179.1 ft |     |                   |     |  109.6 ft |     |          |  |
|                                                                                            |     | 26.3 ft           |     | 26.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 0°  | 0°                                                                                         | 20° | 40°      |  |
|                                                                                            |     | 32.8 ft           |     | 32.8 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 20° | 40°*                                                                                       | 0°* | 0°**     |  |
| ft                                                                                         |     | 1,000 lb          |     | ft                                                                                         |     | 1,000 lb |  |
| 56                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 64                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 72                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 80                                                                                         | 3.5 | 3.5               | -   | -                                                                                          | -   | -        |  |
| 88                                                                                         | 3.5 | 3.5               | -   | 5.0                                                                                        | -   | -        |  |
| 96                                                                                         | 3.5 | 3.5               | -   | 4.9                                                                                        | -   | -        |  |
| 104                                                                                        | 3.3 | 3.5               | 5.1 | 4.9                                                                                        | -   | -        |  |
| 112                                                                                        | 3.3 | 3.3               | 4.9 | 4.6                                                                                        | 4.6 |          |  |
| 120                                                                                        | 3.3 | 3.3               | 4.9 | 4.6                                                                                        | 4.4 |          |  |
| 128                                                                                        | 3.3 | 3.3               | 4.9 | 4.6                                                                                        | 4.3 |          |  |
| 136                                                                                        | 2.8 | 3.3               | 4.9 | 4.5                                                                                        | 4.2 |          |  |
| 144                                                                                        | 2.0 | 3.1               | 4.6 | 4.0                                                                                        | 4.2 |          |  |
| 152                                                                                        | -   | 2.5               | 3.6 | 3.2                                                                                        | 3.9 |          |  |
| 160                                                                                        | -   | -                 | 2.7 | 2.2                                                                                        | 3.3 |          |  |

|                                                                                            |      |          |     |         |     |          |  |
|--------------------------------------------------------------------------------------------|------|----------|-----|---------|-----|----------|--|
|  39.4 ft |      |          |     |         |     |          |  |
|                                                                                            |      | 26.3 ft  |     | 26.3 ft |     |          |  |
|                                                                                            |      | 0°       | 0°  | 0°      | 20° | 40°      |  |
|                                                                                            |      | 32.8 ft  |     | 32.8 ft |     |          |  |
|                                                                                            |      | 0°       | 20° | 40°     | 0°  | 0°       |  |
| ft                                                                                         |      | 1,000 lb |     | ft      |     | 1,000 lb |  |
| 14                                                                                         | 17.2 | -        | -   | -       | -   | -        |  |
| 16                                                                                         | 17.2 | -        | -   | -       | -   | -        |  |
| 18                                                                                         | 17.1 | -        | -   | -       | -   | -        |  |
| 20                                                                                         | 16.9 | -        | -   | -       | -   | -        |  |
| 24                                                                                         | 16.3 | -        | -   | -       | -   | -        |  |
| 28                                                                                         | 15.5 | -        | -   | -       | -   | -        |  |
| 32                                                                                         | 14.7 | -        | -   | -       | -   | -        |  |
| 36                                                                                         | 13.9 | -        | -   | -       | -   | -        |  |
| 40                                                                                         | 13.1 | 11.8     | -   | -       | -   | -        |  |
| 48                                                                                         | 11.6 | 10.5     | -   | 9.6     | -   | -        |  |
| 56                                                                                         | 10.2 | 9.2      | 8.7 | 8.6     | -   | -        |  |
| 64                                                                                         | 9.0  | 8.3      | 7.9 | 7.7     | -   | -        |  |
| 72                                                                                         | 8.0  | 7.5      | 7.1 | 7.1     | -   | -        |  |
| 80                                                                                         | 7.2  | 6.7      | 6.5 | 6.3     | 5.6 |          |  |
| 88                                                                                         | 6.6  | 6.2      | 6.0 | 5.8     | 5.2 |          |  |
| 96                                                                                         | 5.9  | 5.7      | 5.6 | 5.2     | 4.8 |          |  |
| 104                                                                                        | 5.4  | 5.3      | -   | 4.9     | 4.6 |          |  |
| 112                                                                                        | 4.8  | -        | -   | -       | -   |          |  |

|     |      |     |     |     |     |     |  |
|-----|------|-----|-----|-----|-----|-----|--|
|     |      |     |     |     |     |     |  |
|     |      | 0°  | 0°  | 0°  | 20° | 40° |  |
|     |      | 0°  | 20° | 40° | 0°  | 0°  |  |
| 32  | 10.1 | -   | -   | -   | -   | -   |  |
| 36  | 10.0 | -   | -   | -   | -   | -   |  |
| 40  | 9.9  | -   | -   | -   | -   | -   |  |
| 48  | 9.6  | -   | -   | -   | -   | -   |  |
| 56  | 9.4  | -   | -   | -   | -   | -   |  |
| 64  | 9.1  | 8.9 | -   | -   | -   | -   |  |
| 72  | 8.8  | 8.4 | -   | 7.5 | -   | -   |  |
| 80  | 8.6  | 7.9 | 7.0 | 7.2 | -   | -   |  |
| 88  | 8.3  | 7.4 | 6.7 | 6.7 | 5.4 |     |  |
| 96  | 7.9  | 7.0 | 6.5 | 6.3 | 5.2 |     |  |
| 104 | 7.3  | 6.6 | 6.2 | 6.0 | 4.9 |     |  |
| 112 | 6.8  | 6.2 | 5.7 | 5.7 | 4.8 |     |  |
| 120 | 6.3  | 5.8 | 5.4 | 5.2 | 4.6 |     |  |
| 128 | 5.9  | 5.4 | 5.2 | 5.0 | 4.4 |     |  |
| 136 | 5.4  | 5.1 | 4.9 | 4.7 | 4.2 |     |  |
| 144 | 4.9  | 4.9 | 4.6 | 4.4 | 4.2 |     |  |
| 152 | 4.3  | 4.5 | 4.5 | 4.2 | 4.2 |     |  |
| 160 | 3.5  | 4.0 | 4.2 | 4.1 | 4.0 |     |  |
| 168 | 2.8  | 3.3 | -   | 3.6 | -   |     |  |
| 176 | 2.5  | 2.5 | -   | 2.8 | -   |     |  |

 \* 165.4 ft \*\* 151.6 ft

| 42,500 lb                                                                                  |     | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85%      |  |
|--------------------------------------------------------------------------------------------|-----|-------------------|-----|--------------------------------------------------------------------------------------------|-----|----------|--|
|  179.1 ft |     |                   |     |  109.6 ft |     |          |  |
|                                                                                            |     | 26.3 ft           |     | 26.3 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 0°  | 0°                                                                                         | 20° | 40°      |  |
|                                                                                            |     | 32.8 ft           |     | 32.8 ft                                                                                    |     |          |  |
|                                                                                            |     | 0°                | 20° | 40°*                                                                                       | 0°* | 0°**     |  |
| ft                                                                                         |     | 1,000 lb          |     | ft                                                                                         |     | 1,000 lb |  |
| 56                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 64                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 72                                                                                         | 3.5 | -                 | -   | -                                                                                          | -   | -        |  |
| 80                                                                                         | 3.5 | 3.5               | -   | -                                                                                          | -   | -        |  |
| 88                                                                                         | 3.5 | 3.5               | -   | 5.0                                                                                        | -   | -        |  |
| 96                                                                                         | 3.5 | 3.5               | -   | 4.9                                                                                        | -   | -        |  |
| 104                                                                                        | 3.3 | 3.5               | 5.1 | 4.9                                                                                        | -   | -        |  |
| 112                                                                                        | 3.3 | 3.3               | 4.9 | 4.6                                                                                        | 4.6 |          |  |
| 120                                                                                        | 2.8 | 3.3               | 4.9 | 4.6                                                                                        | 4.4 |          |  |
| 128                                                                                        | -   | 3.2               | 4.7 | 4.2                                                                                        | 4.3 |          |  |
| 136                                                                                        | -   | 2.4               | 4.0 | 3.1                                                                                        | 4.2 |          |  |
| 144                                                                                        | -   | 1.6               | 2.9 | 2.2                                                                                        | 4.0 |          |  |
| 152                                                                                        | -   | -                 | -   | -                                                                                          | 2.9 |          |  |

|                                                                                           |      |          |     |         |     |          |  |
|-------------------------------------------------------------------------------------------|------|----------|-----|---------|-----|----------|--|
|  39.4 ft |      |          |     |         |     |          |  |
|                                                                                           |      | 26.3 ft  |     | 26.3 ft |     |          |  |
|                                                                                           |      | 0°       | 0°  | 0°      | 20° | 40°      |  |
|                                                                                           |      | 32.8 ft  |     | 32.8 ft |     |          |  |
|                                                                                           |      | 0°       | 20° | 40°     | 0°  | 0°       |  |
| ft                                                                                        |      | 1,000 lb |     | ft      |     | 1,000 lb |  |
| 14                                                                                        | 17.2 | -        | -   | -       | -   | -        |  |
| 16                                                                                        | 17.2 | -        | -   | -       | -   | -        |  |
| 18                                                                                        | 17.1 | -        | -   | -       | -   | -        |  |
| 20                                                                                        | 16.9 | -        | -   | -       | -   | -        |  |
| 24                                                                                        | 16.3 | -        | -   | -       | -   | -        |  |
| 28                                                                                        | 15.5 | -        | -   | -       | -   | -        |  |
| 32                                                                                        | 14.7 | -        | -   | -       | -   | -        |  |
| 36                                                                                        | 13.9 | -        | -   | -       | -   | -        |  |
| 40                                                                                        | 13.1 | 11.8     | -   | -       | -   | -        |  |
| 48                                                                                        | 11.6 | 10.5     | -   | 9.6     | -   | -        |  |
| 56                                                                                        | 10.2 | 9.2      | 8.7 | 8.6     | -   | -        |  |
| 64                                                                                        | 9.0  | 8.3      | 7.9 | 7.7     | -   | -        |  |
| 72                                                                                        | 8.0  | 7.5      | 7.1 | 7.1     | -   | -        |  |
| 80                                                                                        | 7.2  | 6.7      | 6.5 | 6.3     | 5.6 |          |  |
| 88                                                                                        | 6.6  | 6.2      | 6.0 | 5.8     | 5.2 |          |  |
| 96                                                                                        | 5.9  | 5.7      | 5.6 | 5.2     | 4.8 |          |  |
| 104                                                                                       | 5.4  | 5.3      | -   | 4.9     | 4.6 |          |  |
| 112                                                                                       | 4.8  | -        | -   | -       | -   |          |  |

|     |      |     |     |     |     |     |  |
|-----|------|-----|-----|-----|-----|-----|--|
|     |      |     |     |     |     |     |  |
|     |      | 0°  | 0°  | 0°  | 20° | 40° |  |
|     |      | 0°  | 20° | 40° | 0°  | 0°  |  |
| 32  | 10.1 | -   | -   | -   | -   | -   |  |
| 36  | 10.0 | -   | -   | -   | -   | -   |  |
| 40  | 9.9  | -   | -   | -   | -   | -   |  |
| 48  | 9.6  | -   | -   | -   | -   | -   |  |
| 56  | 9.4  | -   | -   | -   | -   | -   |  |
| 64  | 9.1  | 8.9 | -   | -   | -   | -   |  |
| 72  | 8.8  | 8.4 | -   | 7.5 | -   | -   |  |
| 80  | 8.6  | 7.9 | 7.0 | 7.2 | -   | -   |  |
| 88  | 8.3  | 7.4 | 6.7 | 6.7 | 5.4 |     |  |
| 96  | 7.9  | 7.0 | 6.5 | 6.3 | 5.2 |     |  |
| 104 | 7.3  | 6.6 | 6.2 | 6.0 | 4.9 |     |  |
| 112 | 6.8  | 6.2 | 5.7 | 5.7 | 4.8 |     |  |
| 120 | 6.2  | 5.8 | 5.4 | 5.2 | 4.6 |     |  |
| 128 | 5.3  | 5.4 | 5.2 | 5.0 | 4.4 |     |  |
| 136 | 4.4  | 5.1 | 4.9 | 4.7 | 4.2 |     |  |
| 144 | 3.8  | 4.4 | 4.6 | 4.4 | 4.2 |     |  |
| 152 | 3.4  | 3.7 | 3.9 | 3.6 | 3.9 |     |  |
| 160 | 2.7  | 3.1 | 3.2 | 3.1 | 3.4 |     |  |
| 168 | -    | 2.5 | -   | 2.6 | -   |     |  |
| 176 | -    | 1.9 | -   | 2.1 | -   |     |  |

 \* 165.4 ft \*\* 151.6 ft

| 19,000 lb |  | 26.6 ft x 23.6 ft |     | 360°     |     | 85 % |     |
|-----------|--|-------------------|-----|----------|-----|------|-----|
| 179.1 ft  |  |                   |     | 109.6 ft |     |      |     |
|           |  | 26.3 ft           |     | 26.3 ft  |     |      |     |
|           |  | 0°                | 0°  | 0°       | 20° | 40°  |     |
|           |  | 32.8 ft           |     | 32.8 ft  |     |      |     |
|           |  | 0°                | 20° | 40°*     | 0°* | 0°** |     |
|           |  | ft                |     | 1,000 lb |     |      |     |
|           |  | 56                | 3.5 | -        | -   | -    | -   |
|           |  | 64                | 3.5 | -        | -   | -    | -   |
|           |  | 72                | 3.5 | -        | -   | -    | -   |
|           |  | 80                | 3.4 | 3.5      | -   | -    | -   |
|           |  | 88                | 2.4 | 3.5      | -   | 5.0  | -   |
|           |  | 96                | -   | 3.2      | -   | 4.4  | -   |
|           |  | 104               | -   | 2.2      | 4.5 | 3.3  | -   |
|           |  | 112               | -   | -        | 3.0 | -    | 4.6 |
|           |  | 120               | -   | -        | -   | -    | 3.5 |
|           |  | 128               | -   | -        | -   | -    | 2.4 |

|         |  |         |      |          |     |     |     |
|---------|--|---------|------|----------|-----|-----|-----|
| 39.4 ft |  |         |      |          |     |     |     |
|         |  | 26.3 ft |      | 26.3 ft  |     |     |     |
|         |  | 0°      | 0°   | 0°       | 20° | 40° |     |
|         |  | 32.8 ft |      | 32.8 ft  |     |     |     |
|         |  | 0°      | 20°  | 40°      | 0°  | 0°  |     |
|         |  | ft      |      | 1,000 lb |     |     |     |
|         |  | 14      | 17.2 | -        | -   | -   | -   |
|         |  | 16      | 17.2 | -        | -   | -   | -   |
|         |  | 18      | 17.1 | -        | -   | -   | -   |
|         |  | 20      | 16.9 | -        | -   | -   | -   |
|         |  | 24      | 16.3 | -        | -   | -   | -   |
|         |  | 28      | 15.5 | -        | -   | -   | -   |
|         |  | 32      | 14.7 | -        | -   | -   | -   |
|         |  | 36      | 13.9 | -        | -   | -   | -   |
|         |  | 40      | 13.1 | 11.8     | -   | -   | -   |
|         |  | 48      | 11.6 | 10.5     | -   | 9.6 | -   |
|         |  | 56      | 10.2 | 9.2      | 8.7 | 8.6 | -   |
|         |  | 64      | 9.0  | 8.3      | 7.9 | 7.7 | -   |
|         |  | 72      | 8.0  | 7.5      | 7.1 | 7.1 | -   |
|         |  | 80      | 7.2  | 6.7      | 6.5 | 6.3 | 5.6 |
|         |  | 88      | 6.6  | 6.2      | 6.0 | 5.8 | 5.2 |
|         |  | 96      | 5.9  | 5.7      | 5.6 | 5.2 | 4.8 |
|         |  | 104     | 5.4  | 5.3      | -   | 4.9 | 4.6 |
|         |  | 112     | 4.8  | -        | -   | -   | -   |

|                           |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|
| * 165.4 ft    ** 151.6 ft |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|

|  13,400 lb |                                                                                   |  26.6 ft x 23.6 ft |     | 360° |     | 85 %                                                                                       |  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----|------|-----|--------------------------------------------------------------------------------------------|--|
|  179.1 ft  |                                                                                   |                                                                                                     |     |      |     |  109.6 ft |  |
|            |  | 26.3 ft                                                                                             |     |      |     |                                                                                            |  |
|                                                                                             |                                                                                   | 0°                                                                                                  | 0°  | 0°   | 20° | 40°                                                                                        |  |
|                                                                                             |                                                                                   | 32.8 ft                                                                                             |     |      |     |                                                                                            |  |
|                                                                                             |                                                                                   | 0°                                                                                                  | 20° | 40°* | 0°* | 0°**                                                                                       |  |
| ft                                                                                          |                                                                                   | 1,000 lb                                                                                            |     |      |     |                                                                                            |  |
| 56                                                                                          |                                                                                   | 3.5                                                                                                 | -   | -    | -   | -                                                                                          |  |
| 64                                                                                          |                                                                                   | 3.5                                                                                                 | -   | -    | -   | -                                                                                          |  |
| 72                                                                                          |                                                                                   | 3.5                                                                                                 | -   | -    | -   | -                                                                                          |  |
| 80                                                                                          |                                                                                   | -                                                                                                   | 3.5 | -    | -   | -                                                                                          |  |
| 88                                                                                          |                                                                                   | -                                                                                                   | 3.3 | -    | 4.7 | -                                                                                          |  |
| 96                                                                                          |                                                                                   | -                                                                                                   | 2.2 | -    | 3.4 | -                                                                                          |  |
| 104                                                                                         |                                                                                   | -                                                                                                   | -   | 3.3  | 1.9 | -                                                                                          |  |
| 112                                                                                         |                                                                                   | -                                                                                                   | -   | -    | -   | 3.7                                                                                        |  |
| 120                                                                                         |                                                                                   | -                                                                                                   | -   | -    | -   | 2.4                                                                                        |  |

|  39.4 ft |                                                                                   |          |      |     |     |     |  |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|-----|-----|-----|--|
|          |  | 26.3 ft  |      |     |     |     |  |
|                                                                                           |                                                                                   | 0°       | 0°   | 0°  | 20° | 40° |  |
|                                                                                           |                                                                                   | 32.8 ft  |      |     |     |     |  |
|                                                                                           |                                                                                   | 0°       | 20°  | 40° | 0°  | 0°  |  |
| ft                                                                                        |                                                                                   | 1,000 lb |      |     |     |     |  |
| 14                                                                                        |                                                                                   | 17.2     | -    | -   | -   | -   |  |
| 16                                                                                        |                                                                                   | 17.2     | -    | -   | -   | -   |  |
| 18                                                                                        |                                                                                   | 17.1     | -    | -   | -   | -   |  |
| 20                                                                                        |                                                                                   | 16.9     | -    | -   | -   | -   |  |
| 24                                                                                        |                                                                                   | 16.3     | -    | -   | -   | -   |  |
| 28                                                                                        |                                                                                   | 15.5     | -    | -   | -   | -   |  |
| 32                                                                                        |                                                                                   | 14.7     | -    | -   | -   | -   |  |
| 36                                                                                        |                                                                                   | 13.9     | -    | -   | -   | -   |  |
| 40                                                                                        |                                                                                   | 13.1     | 11.8 | -   | -   | -   |  |
| 48                                                                                        |                                                                                   | 11.6     | 10.5 | -   | 9.6 | -   |  |
| 56                                                                                        |                                                                                   | 10.2     | 9.2  | 8.7 | 8.6 | -   |  |
| 64                                                                                        |                                                                                   | 9.0      | 8.3  | 7.9 | 7.7 | -   |  |
| 72                                                                                        |                                                                                   | 8.0      | 7.5  | 7.1 | 7.1 | -   |  |
| 80                                                                                        |                                                                                   | 7.2      | 6.7  | 6.5 | 6.3 | 5.6 |  |
| 88                                                                                        |                                                                                   | 6.6      | 6.2  | 6.0 | 5.8 | 5.2 |  |
| 96                                                                                        |                                                                                   | 5.9      | 5.7  | 5.6 | 5.2 | 4.8 |  |
| 104                                                                                       |                                                                                   | 5.4      | 5.3  | -   | 4.9 | 4.6 |  |
| 112                                                                                       |                                                                                   | 4.8      | -    | -   | -   | -   |  |

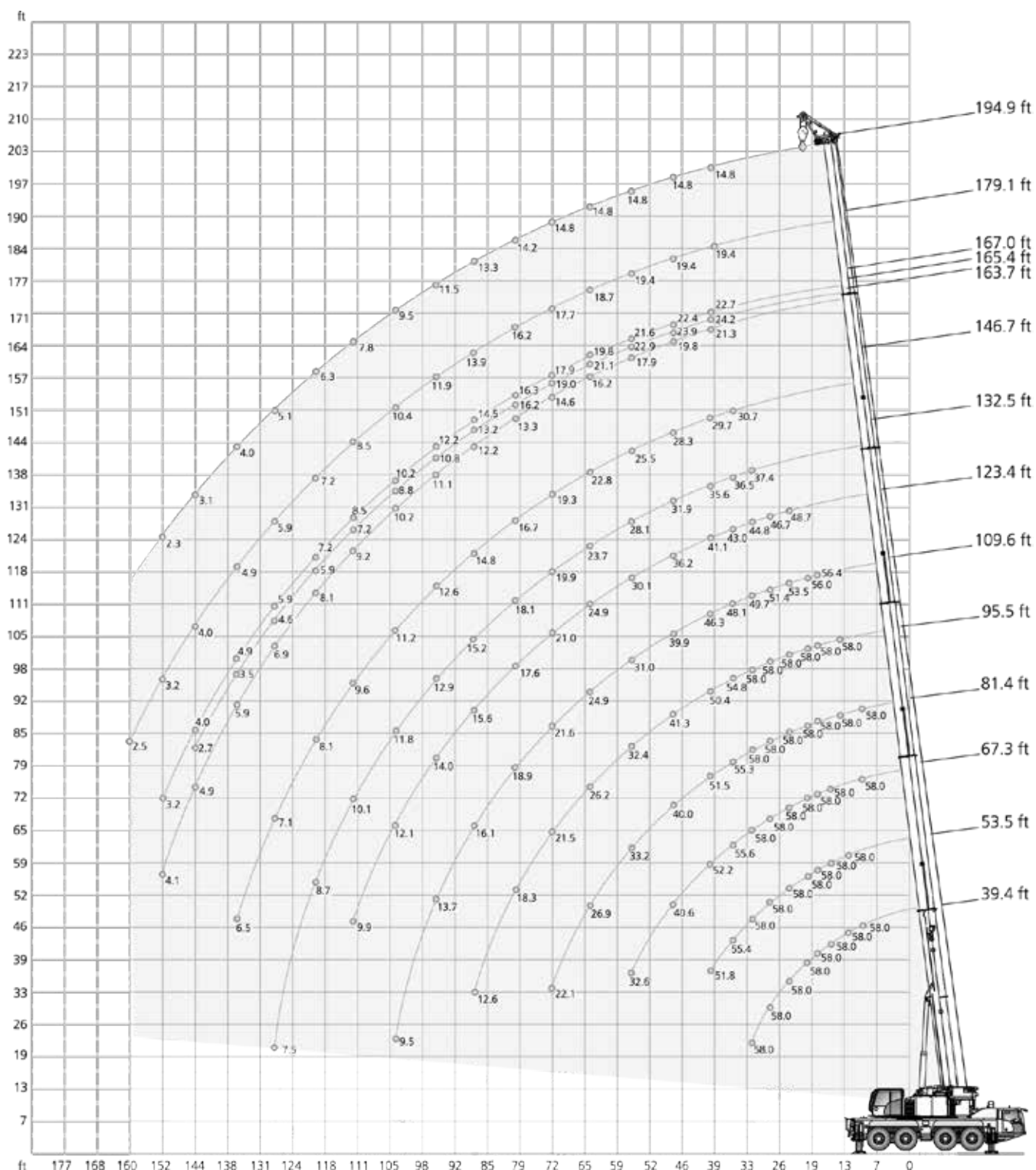
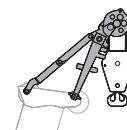
|  * 165.4 ft    ** 151.6 ft |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
|                                                                                                               |  |  |  |  |  |  |  |

| 9,500 lb |  | 26.6 ft x 23.6 ft |     | 360°     |     | 85 % |  |
|----------|--|-------------------|-----|----------|-----|------|--|
| 179.1 ft |  |                   |     | 109.6 ft |     |      |  |
|          |  | 26.3 ft           |     |          |     |      |  |
|          |  | 0°                | 0°  | 0°       | 20° | 40°  |  |
|          |  | 32.8 ft           |     |          |     |      |  |
|          |  | 0°                | 20° | 40°*     | 0°* | 0°** |  |
| ft       |  | 1,000 lb          |     |          |     |      |  |
| 56       |  | 3.5               | -   | -        | -   | -    |  |
| 64       |  | 3.5               | -   | -        | -   | -    |  |
| 72       |  | 2.7               | -   | -        | -   | -    |  |
| 80       |  | -                 | 3.4 | -        | -   | -    |  |
| 88       |  | -                 | 2.4 | -        | 3.9 | -    |  |
| 96       |  | -                 | -   | -        | 2.4 | -    |  |
| 104      |  | -                 | -   | 2.2      | -   | -    |  |
| 112      |  | -                 | -   | -        | -   | 2.8  |  |

| 39.4 ft |  |          |      |     |     |     |  |
|---------|--|----------|------|-----|-----|-----|--|
|         |  | 26.3 ft  |      |     |     |     |  |
|         |  | 0°       | 0°   | 0°  | 20° | 40° |  |
|         |  | 32.8 ft  |      |     |     |     |  |
|         |  | 0°       | 20°  | 40° | 0°  | 0°  |  |
| ft      |  | 1,000 lb |      |     |     |     |  |
| 14      |  | 17.2     | -    | -   | -   | -   |  |
| 16      |  | 17.2     | -    | -   | -   | -   |  |
| 18      |  | 17.1     | -    | -   | -   | -   |  |
| 20      |  | 16.9     | -    | -   | -   | -   |  |
| 24      |  | 16.3     | -    | -   | -   | -   |  |
| 28      |  | 15.5     | -    | -   | -   | -   |  |
| 32      |  | 14.7     | -    | -   | -   | -   |  |
| 36      |  | 13.9     | -    | -   | -   | -   |  |
| 40      |  | 13.1     | 11.8 | -   | -   | -   |  |
| 48      |  | 11.6     | 10.5 | -   | 9.6 | -   |  |
| 56      |  | 10.2     | 9.2  | 8.7 | 8.6 | -   |  |
| 64      |  | 9.0      | 8.3  | 7.9 | 7.7 | -   |  |
| 72      |  | 8.0      | 7.5  | 7.1 | 7.1 | -   |  |
| 80      |  | 7.2      | 6.7  | 6.5 | 6.3 | 5.6 |  |
| 88      |  | 6.6      | 6.2  | 6.0 | 5.8 | 5.2 |  |
| 96      |  | 5.9      | 5.7  | 5.6 | 5.2 | 4.8 |  |
| 104     |  | 5.4      | 5.3  | -   | 4.9 | 4.6 |  |
| 112     |  | 4.8      | -    | -   | -   | -   |  |

| * 165.4 ft    ** 151.6 ft |  |  |  |  |  |  |  |
|---------------------------|--|--|--|--|--|--|--|
|---------------------------|--|--|--|--|--|--|--|





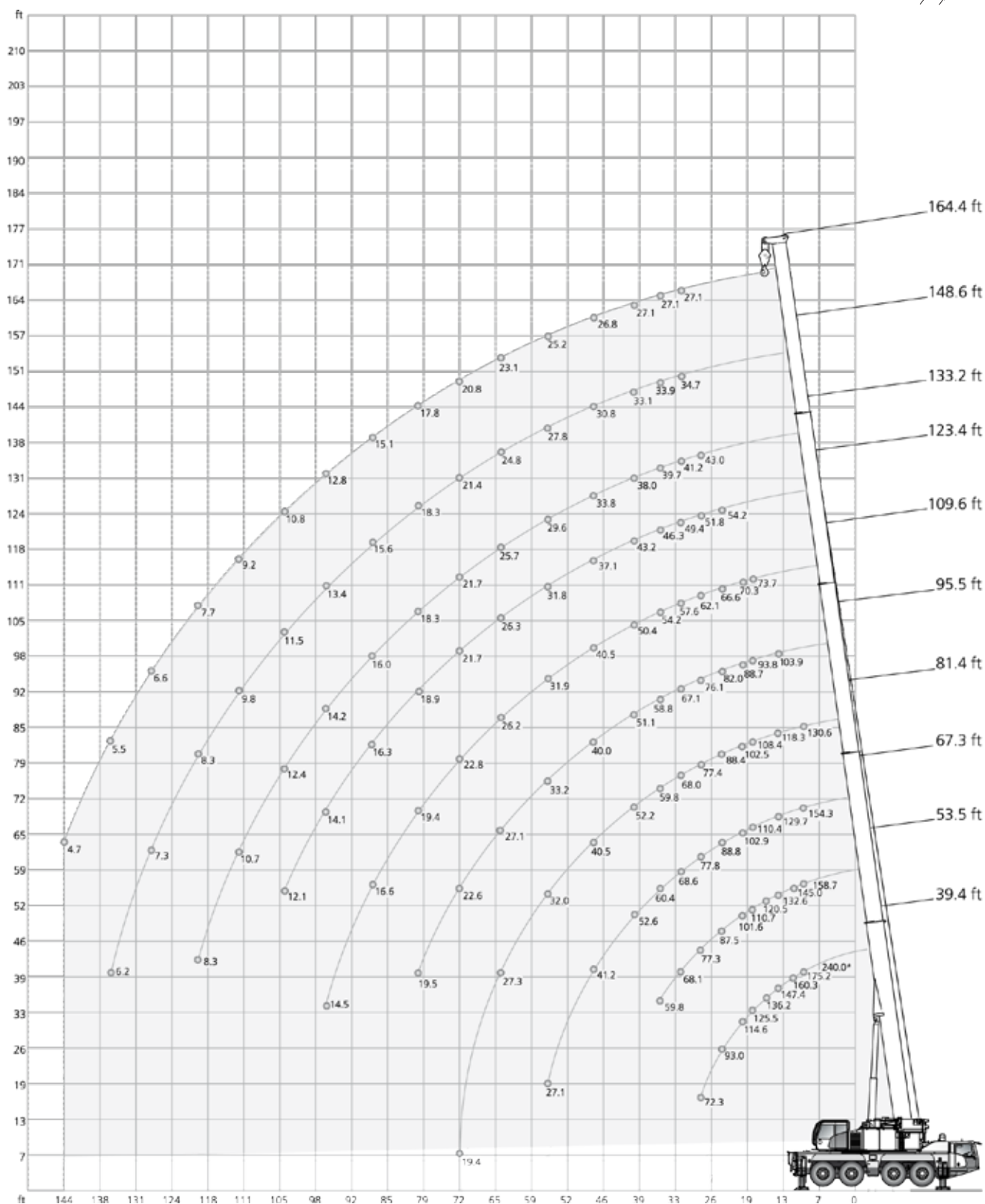
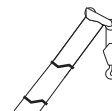
|  54,000 lb |                                                                                   |  26.6 ft x 23.6 ft |      | 360° |      |      |       |          |      |      |      |      |      |      |      | 85%   |       |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|------|------|-------|----------|------|------|------|------|------|------|------|-------|-------|-------------------------------------------------------------------------------------|
|            |  | 39.4                                                                                                | 53.5 | 67.3 | 81.4 | 95.5 | 109.6 | (ft)     |      |      |      |      |      |      |      | 179.1 | 194.9 |  |
| ft                                                                                          |                                                                                   |                                                                                                     |      |      |      |      |       | 1,000 lb |      |      |      |      |      |      |      | ft    |       |                                                                                     |
| 10                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -        | -    | -    | -    | -    | -    | -    | -    | 10    |       |                                                                                     |
| 12                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -        | -    | -    | -    | -    | -    | -    | -    | 12    |       |                                                                                     |
| 14                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -        | -    | -    | -    | -    | -    | -    | -    | 14    |       |                                                                                     |
| 16                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -        | -    | -    | -    | -    | -    | -    | -    | 16    |       |                                                                                     |
| 18                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.4  | -        | -    | -    | -    | -    | -    | -    | -    | 18    |       |                                                                                     |
| 20                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.0  | -        | -    | -    | -    | -    | -    | -    | -    | 20    |       |                                                                                     |
| 24                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 53.5  | 48.7     | -    | -    | -    | -    | -    | -    | -    | 24    |       |                                                                                     |
| 28                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 51.4  | 46.7     | -    | -    | -    | -    | -    | -    | -    | 28    |       |                                                                                     |
| 32                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 49.7  | 44.8     | 37.4 | -    | -    | -    | -    | -    | -    | 32    |       |                                                                                     |
| 36                                                                                          |                                                                                   | -                                                                                                   | 55.4 | 55.6 | 55.3 | 54.8 | 48.1  | 43.0     | 36.5 | 30.7 | 21.5 | 24.3 | 22.7 | -    | -    | 36    |       |                                                                                     |
| 40                                                                                          |                                                                                   | -                                                                                                   | 51.8 | 52.2 | 51.5 | 50.4 | 46.3  | 41.1     | 35.6 | 29.7 | 21.3 | 24.2 | 22.7 | 19.4 | 14.8 | 40    |       |                                                                                     |
| 48                                                                                          |                                                                                   | -                                                                                                   | -    | 40.6 | 40.0 | 41.3 | 39.9  | 36.2     | 31.9 | 28.3 | 19.8 | 23.9 | 22.4 | 19.4 | 14.8 | 48    |       |                                                                                     |
| 56                                                                                          |                                                                                   | -                                                                                                   | -    | 32.6 | 33.2 | 32.4 | 31.0  | 30.1     | 28.1 | 25.5 | 17.9 | 22.9 | 21.6 | 19.4 | 14.8 | 56    |       |                                                                                     |
| 64                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 26.9 | 26.2 | 24.9  | 24.9     | 23.7 | 22.8 | 16.2 | 21.1 | 19.8 | 18.7 | 14.8 | 64    |       |                                                                                     |
| 72                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 22.1 | 21.5 | 21.6  | 21.0     | 19.9 | 19.3 | 14.6 | 19.0 | 17.9 | 17.7 | 14.8 | 72    |       |                                                                                     |
| 80                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 18.3 | 18.9  | 17.6     | 18.1 | 16.7 | 13.3 | 16.2 | 16.3 | 16.2 | 14.2 | 80    |       |                                                                                     |
| 88                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 12.6 | 16.1  | 15.6     | 15.2 | 14.8 | 12.2 | 13.2 | 14.5 | 13.9 | 13.3 | 88    |       |                                                                                     |
| 96                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 13.7  | 14.0     | 12.9 | 12.6 | 11.1 | 10.8 | 12.2 | 11.9 | 11.5 | 96    |       |                                                                                     |
| 104                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 9.5   | 12.1     | 11.8 | 11.2 | 10.2 | 8.8  | 10.2 | 10.4 | 9.5  | 104   |       |                                                                                     |
| 112                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | 9.9      | 10.1 | 9.6  | 9.2  | 7.2  | 8.5  | 8.5  | 7.8  | 112   |       |                                                                                     |
| 120                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | 8.7  | 8.1  | 8.1  | 5.9  | 7.2  | 7.2  | 6.3  | 120   |       |                                                                                     |
| 128                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | 7.5  | 7.1  | 6.9  | 4.6  | 5.9  | 5.9  | 5.1  | 128   |       |                                                                                     |
| 136                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | 6.5  | 5.9  | 3.5  | 4.9  | 4.9  | 4.0  | 136   |       |                                                                                     |
| 144                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | 4.9  | 4.9  | 2.7  | 4.0  | 4.0  | 3.1  | 144   |       |                                                                                     |
| 152                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | -    | 4.1  | -    | 3.2  | 3.2  | 2.3  | 152   |       |                                                                                     |
| 160                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | -    | -    | -    | -    | 2.5  | -    | 160   |       |                                                                                     |

|  42,500 lb |                                                                                   |  26.6 ft x 23.6 ft |      | 360° |      | 85 % |       |          |      |      |      |      |      |      |      |                                                                                     |     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|------|------|-------|----------|------|------|------|------|------|------|------|-------------------------------------------------------------------------------------|-----|
|            |  | 39.4                                                                                                | 53.5 | 67.3 | 81.4 | 95.5 | 109.6 | (ft)     |      |      |      |      |      |      |      |  |     |
| ft                                                                                          |                                                                                   |                                                                                                     |      |      |      |      |       | 1,000 lb |      |      |      |      |      |      |      |                                                                                     | ft  |
| 10                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 10  |
| 12                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 12  |
| 14                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 14  |
| 16                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 16  |
| 18                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.4  | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 18  |
| 20                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.0  | -        | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 20  |
| 24                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 53.5  | 48.7     | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 24  |
| 28                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 51.4  | 46.7     | -    | -    | -    | -    | -    | -    | -    | -                                                                                   | 28  |
| 32                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 49.7  | 44.8     | 37.4 | -    | -    | -    | -    | -    | -    | -                                                                                   | 32  |
| 36                                                                                          |                                                                                   | -                                                                                                   | 53.2 | 53.3 | 52.9 | 52.2 | 48.1  | 43.0     | 36.5 | 30.7 | 21.5 | 24.3 | 22.7 | -    | -    | -                                                                                   | 36  |
| 40                                                                                          |                                                                                   | -                                                                                                   | 47.0 | 47.3 | 46.6 | 47.1 | 45.8  | 40.9     | 35.6 | 29.7 | 21.3 | 24.2 | 22.7 | 19.4 | 14.8 | -                                                                                   | 40  |
| 48                                                                                          |                                                                                   | -                                                                                                   | -    | 35.9 | 36.9 | 36.1 | 34.5  | 33.8     | 31.5 | 28.3 | 19.8 | 23.9 | 22.4 | 19.4 | 14.8 | -                                                                                   | 48  |
| 56                                                                                          |                                                                                   | -                                                                                                   | -    | 29.0 | 28.8 | 28.1 | 27.1  | 26.6     | 25.9 | 24.9 | 17.9 | 22.9 | 21.6 | 19.4 | 14.8 | -                                                                                   | 56  |
| 64                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 23.2 | 22.4 | 22.9  | 22.0     | 21.8 | 20.8 | 16.2 | 20.3 | 19.8 | 18.7 | 14.8 | -                                                                                   | 64  |
| 72                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 19.0 | 19.7 | 19.0  | 18.6     | 18.2 | 18.1 | 14.6 | 16.4 | 17.7 | 17.0 | 14.8 | -                                                                                   | 72  |
| 80                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 16.8 | 15.9  | 16.3     | 15.4 | 15.1 | 13.3 | 13.2 | 14.6 | 14.0 | 13.3 | -                                                                                   | 80  |
| 88                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 9.9  | 14.1  | 13.7     | 13.5 | 13.1 | 12.2 | 10.5 | 12.0 | 12.0 | 10.9 | -                                                                                   | 88  |
| 96                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 12.3  | 11.7     | 11.4 | 10.8 | 10.7 | 8.4  | 9.8  | 9.8  | 8.9  | -                                                                                   | 96  |
| 104                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 8.0   | 10.3     | 9.7  | 9.1  | 9.0  | 6.6  | 7.9  | 7.9  | 7.3  | -                                                                                   | 104 |
| 112                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | 8.8      | 8.1  | 8.1  | 7.4  | 5.0  | 6.5  | 6.5  | 5.7  | -                                                                                   | 112 |
| 120                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | 6.8  | 7.0  | 6.1  | 3.9  | 5.3  | 5.3  | 4.4  | -                                                                                   | 120 |
| 128                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | 5.7  | 5.8  | 5.1  | 2.8  | 4.2  | 4.2  | 3.3  | -                                                                                   | 128 |
| 136                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | 4.9  | 4.1  | 1.8  | 3.1  | 3.3  | 2.4  | -                                                                                   | 136 |
| 144                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | 3.3  | 3.3  | -    | 2.2  | 2.5  | -    | -                                                                                   | 144 |
| 152                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -        | -    | -    | 2.6  | -    | -    | -    | -    | -                                                                                   | 152 |

|  19,000 lb |                                                                                     |  26.6 ft x 23.6 ft |      | 360° |      | 85%  |       |                  |       |       |       |       |       |       |       |       |                                                                                       |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------------------------------------------------------|
|            |  | 39.4                                                                                                  | 53.5 | 67.3 | 81.4 | 95.5 | 109.6 | (ft)<br>1,000 lb | 123.4 | 132.5 | 146.7 | 163.7 | 165.4 | 167.0 | 179.1 | 194.9 |  |
| ft                                                                                            |                                                                                     |                                                                                                       |      |      |      |      |       |                  |       |       |       |       |       |       |       |       | ft                                                                                    |
| 10                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | -    | -     | -                | -     | -     | -     | -     | -     | -     | -     | -     | 10                                                                                    |
| 12                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | -    | -     | -                | -     | -     | -     | -     | -     | -     | -     | -     | 12                                                                                    |
| 14                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | -     | -                | -     | -     | -     | -     | -     | -     | -     | -     | 14                                                                                    |
| 16                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | -     | -                | -     | -     | -     | -     | -     | -     | -     | -     | 16                                                                                    |
| 18                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | 56.4  | -                | -     | -     | -     | -     | -     | -     | -     | -     | 18                                                                                    |
| 20                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | 56.0  | -                | -     | -     | -     | -     | -     | -     | -     | -     | 20                                                                                    |
| 24                                                                                            |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | 53.5  | 48.7             | -     | -     | -     | -     | -     | -     | -     | -     | 24                                                                                    |
| 28                                                                                            |                                                                                     | 56.0                                                                                                  | 57.3 | 57.5 | 56.5 | 55.4 | 50.8  | 46.7             | -     | -     | -     | -     | -     | -     | -     | -     | 28                                                                                    |
| 32                                                                                            |                                                                                     | 47.1                                                                                                  | 49.5 | 49.8 | 49.9 | 48.9 | 45.2  | 41.7             | 37.4  | -     | -     | -     | -     | -     | -     | -     | 32                                                                                    |
| 36                                                                                            |                                                                                     | -                                                                                                     | 41.0 | 41.2 | 42.8 | 41.4 | 39.5  | 36.5             | 33.3  | 30.0  | 21.5  | 24.3  | 22.7  | -     | -     | -     | 36                                                                                    |
| 40                                                                                            |                                                                                     | -                                                                                                     | 34.5 | 35.6 | 35.4 | 34.5 | 34.5  | 32.7             | 30.4  | 27.8  | 21.3  | 24.0  | 22.7  | 19.4  | 14.8  | -     | 40                                                                                    |
| 48                                                                                            |                                                                                     | -                                                                                                     | -    | 26.3 | 26.2 | 26.6 | 26.4  | 25.8             | 24.7  | 23.5  | 19.8  | 20.7  | 21.5  | 19.0  | 14.8  | -     | 48                                                                                    |
| 56                                                                                            |                                                                                     | -                                                                                                     | -    | 20.2 | 20.8 | 20.9 | 20.5  | 20.5             | 20.5  | 19.5  | 17.9  | 16.0  | 17.5  | 16.8  | 14.3  | -     | 56                                                                                    |
| 64                                                                                            |                                                                                     | -                                                                                                     | -    | -    | 16.9 | 16.8 | 16.9  | 16.7             | 16.0  | 15.5  | 15.0  | 12.2  | 13.7  | 13.3  | 11.6  | -     | 64                                                                                    |
| 72                                                                                            |                                                                                     | -                                                                                                     | -    | -    | 13.7 | 14.0 | 13.7  | 13.3             | 12.8  | 12.9  | 11.8  | 9.1   | 10.4  | 10.2  | 8.7   | -     | 72                                                                                    |
| 80                                                                                            |                                                                                     | -                                                                                                     | -    | -    | -    | 11.3 | 11.1  | 10.7             | 10.9  | 10.2  | 9.4   | 6.7   | 8.1   | 7.8   | 6.3   | -     | 80                                                                                    |
| 88                                                                                            |                                                                                     | -                                                                                                     | -    | -    | -    | 8.3  | 9.1   | 8.6              | 8.8   | 8.1   | 7.3   | 4.7   | 6.2   | 5.8   | 4.5   | -     | 88                                                                                    |
| 96                                                                                            |                                                                                     | -                                                                                                     | -    | -    | -    | -    | 7.5   | 6.9              | 7.1   | 6.4   | 5.7   | 3.1   | 4.6   | 4.4   | 3.1   | -     | 96                                                                                    |
| 104                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | -    | 6.1   | 5.5              | 5.7   | 5.0   | 4.4   | 1.9   | 3.3   | 3.2   | 1.9   | -     | 104                                                                                   |
| 112                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | -    | -     | 4.4              | 4.6   | 3.7   | 3.0   | -     | -     | -     | -     | -     | 112                                                                                   |
| 120                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | -    | -     | -                | 3.6   | 2.8   | 2.2   | -     | -     | -     | -     | -     | 120                                                                                   |
| 128                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | -    | -     | -                | 2.0   | 2.0   | -     | -     | -     | -     | -     | -     | 128                                                                                   |

|  13,400 lb |                                                                                   |  26.6 ft x 23.6 ft |      | 360° |      | 85%  |       |      |       |       |       |       |       |       |       |       |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
|            |  | 39.4                                                                                                | 53.5 | 67.3 | 81.4 | 95.5 | 109.6 | (ft) | 123.4 | 132.5 | 146.7 | 163.7 | 165.4 | 167.0 | 179.1 | 194.9 |  |
| ft                                                                                          |                                                                                   | 1,000 lb                                                                                            |      |      |      |      |       |      |       |       |       |       |       |       |       |       | ft                                                                                  |
| 10                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 10                                                                                  |
| 12                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -    | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 12                                                                                  |
| 14                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 14                                                                                  |
| 16                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | -     | -    | -     | -     | -     | -     | -     | -     | -     | -     | 16                                                                                  |
| 18                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.4  | -    | -     | -     | -     | -     | -     | -     | -     | -     | 18                                                                                  |
| 20                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0 | 56.0  | -    | -     | -     | -     | -     | -     | -     | -     | -     | 20                                                                                  |
| 24                                                                                          |                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 57.6 | 53.5  | 48.7 | -     | -     | -     | -     | -     | -     | -     | -     | 24                                                                                  |
| 28                                                                                          |                                                                                   | 53.5                                                                                                | 54.8 | 54.9 | 54.0 | 53.0 | 48.9  | 44.8 | 36.0  | -     | -     | -     | -     | -     | -     | -     | 28                                                                                  |
| 32                                                                                          |                                                                                   | 43.0                                                                                                | 45.2 | 45.8 | 46.9 | 44.8 | 42.1  | 39.6 | 35.6  | -     | -     | -     | -     | -     | -     | -     | 32                                                                                  |
| 36                                                                                          |                                                                                   | -                                                                                                   | 37.3 | 39.4 | 39.3 | 37.8 | 36.7  | 34.5 | 31.7  | 28.4  | 21.5  | 24.3  | 22.7  | -     | -     | -     | 36                                                                                  |
| 40                                                                                          |                                                                                   | -                                                                                                   | 31.4 | 32.5 | 32.3 | 32.1 | 31.4  | 30.7 | 29.0  | 26.1  | 21.3  | 23.8  | 22.6  | 19.4  | 14.8  | -     | 40                                                                                  |
| 48                                                                                          |                                                                                   | -                                                                                                   | -    | 23.9 | 24.3 | 24.8 | 24.1  | 24.3 | 23.7  | 22.0  | 19.7  | 18.1  | 19.8  | 18.2  | 14.8  | -     | 48                                                                                  |
| 56                                                                                          |                                                                                   | -                                                                                                   | -    | 18.3 | 19.3 | 19.0 | 19.3  | 19.0 | 18.4  | 17.3  | 16.6  | 13.4  | 15.2  | 14.8  | 13.0  | -     | 56                                                                                  |
| 64                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 15.3 | 15.3 | 15.1  | 14.9 | 14.3  | 14.2  | 12.8  | 9.9   | 11.5  | 11.1  | 9.5   | -     | 64                                                                                  |
| 72                                                                                          |                                                                                   | -                                                                                                   | -    | -    | 12.2 | 12.2 | 12.0  | 11.7 | 11.7  | 11.1  | 9.8   | 7.1   | 8.7   | 8.2   | 6.7   | -     | 72                                                                                  |
| 80                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 9.8  | 9.6   | 9.2  | 9.4   | 8.7   | 7.6   | 5.0   | 6.4   | 6.1   | 4.6   | -     | 80                                                                                  |
| 88                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | 8.1  | 7.7   | 7.3  | 7.4   | 6.7   | 5.8   | 3.2   | 4.7   | 4.4   | 3.0   | -     | 88                                                                                  |
| 96                                                                                          |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 6.1   | 5.7  | 5.8   | 5.1   | 4.4   | -     | 3.3   | 3.1   | -     | -     | 96                                                                                  |
| 104                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | 4.8   | 4.4  | 4.5   | 3.9   | 3.0   | -     | 2.1   | 1.9   | -     | -     | 104                                                                                 |
| 112                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | 3.3  | 3.5   | 2.8   | -     | -     | -     | -     | -     | -     | 112                                                                                 |
| 120                                                                                         |                                                                                   | -                                                                                                   | -    | -    | -    | -    | -     | -    | 2.5   | -     | -     | -     | -     | -     | -     | -     | 120                                                                                 |

|  9,500 lb |                                                                                     |  26.6 ft x 23.6 ft |      | 360° |      |      |       |      |      |      |      |      |      |      |      | 85%   |                                                                                       |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|-------|---------------------------------------------------------------------------------------|
|           |  | 39.4                                                                                                  | 53.5 | 67.3 | 81.4 | 95.5 | 109.6 | (ft) |      |      |      |      |      |      |      | 194.9 |  |
| ft                                                                                           |                                                                                     | 1,000 lb                                                                                              |      |      |      |      |       |      |      |      |      |      |      |      |      |       | ft                                                                                    |
| 10                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | -    | -     | -    | -    | -    | -    | -    | -    | -    | -    | -     | 10                                                                                    |
| 12                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | -    | -     | -    | -    | -    | -    | -    | -    | -    | -    | -     | 12                                                                                    |
| 14                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | -     | -    | -    | -    | -    | -    | -    | -    | -    | -     | 14                                                                                    |
| 16                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | -     | -    | -    | -    | -    | -    | -    | -    | -    | -     | 16                                                                                    |
| 18                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | 56.4  | -    | -    | -    | -    | -    | -    | -    | -    | -     | 18                                                                                    |
| 20                                                                                           |                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0 | 58.0 | 56.0  | -    | -    | -    | -    | -    | -    | -    | -    | -     | 20                                                                                    |
| 24                                                                                           |                                                                                     | 57.9                                                                                                  | 58.0 | 58.0 | 57.2 | 56.9 | 52.6  | 48.1 | -    | -    | -    | -    | -    | -    | -    | -     | 24                                                                                    |
| 28                                                                                           |                                                                                     | 51.5                                                                                                  | 52.9 | 53.0 | 52.4 | 50.2 | 46.9  | 42.8 | 36.0 | -    | -    | -    | -    | -    | -    | -     | 28                                                                                    |
| 32                                                                                           |                                                                                     | 39.8                                                                                                  | 42.2 | 43.7 | 44.0 | 41.7 | 39.8  | 37.3 | 34.1 | 27.8 | -    | -    | -    | -    | -    | -     | 32                                                                                    |
| 36                                                                                           |                                                                                     | -                                                                                                     | 35.2 | 36.8 | 36.5 | 35.3 | 34.1  | 32.4 | 30.5 | 26.6 | 21.5 | 23.4 | 22.7 | -    | -    | -     | 36                                                                                    |
| 40                                                                                           |                                                                                     | -                                                                                                     | 29.1 | 30.2 | 29.9 | 30.6 | 30.2  | 28.8 | 27.5 | 24.9 | 21.3 | 22.0 | 22.3 | 19.2 | 14.8 | -     | 40                                                                                    |
| 48                                                                                           |                                                                                     | -                                                                                                     | -    | 22.0 | 23.1 | 22.9 | 22.9  | 22.9 | 21.3 | 19.8 | 19.1 | 15.9 | 17.7 | 17.1 | 14.1 | -     | 48                                                                                    |
| 56                                                                                           |                                                                                     | -                                                                                                     | -    | 17.2 | 17.6 | 17.9 | 17.6  | 17.4 | 16.5 | 16.3 | 14.8 | 11.6 | 13.3 | 12.8 | 11.0 | -     | 56                                                                                    |
| 64                                                                                           |                                                                                     | -                                                                                                     | -    | -    | 13.8 | 13.9 | 13.7  | 13.3 | 13.4 | 12.6 | 11.2 | 8.3  | 9.9  | 9.4  | 7.7  | -     | 64                                                                                    |
| 72                                                                                           |                                                                                     | -                                                                                                     | -    | -    | 10.9 | 10.9 | 10.9  | 10.2 | 10.4 | 9.8  | 8.4  | 5.6  | 7.1  | 6.7  | 5.1  | -     | 72                                                                                    |
| 80                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | 8.7  | 8.5   | 8.1  | 8.1  | 7.4  | 6.4  | 3.7  | 5.0  | 4.8  | 3.3  | -     | 80                                                                                    |
| 88                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | 7.0  | 6.7   | 6.3  | 6.3  | 5.6  | 4.7  | -    | 3.5  | 3.3  | -    | -     | 88                                                                                    |
| 96                                                                                           |                                                                                     | -                                                                                                     | -    | -    | -    | -    | 5.3   | 4.8  | 4.8  | 4.2  | 3.4  | -    | 2.2  | 2.0  | -    | -     | 96                                                                                    |
| 104                                                                                          |                                                                                     | -                                                                                                     | -    | -    | -    | -    | 3.9   | 3.5  | 3.7  | 3.0  | 2.3  | -    | -    | -    | -    | -     | 104                                                                                   |
| 112                                                                                          |                                                                                     | -                                                                                                     | -    | -    | -    | -    | -     | 2.6  | 2.6  | -    | -    | -    | -    | -    | -    | -     | 112                                                                                   |



\* Capacity class

|  54,000 lb |          |  26.6 ft x 23.6 ft |       |       |       |              | 360°  |       |       |       |       | 85 %                                                                                |  |
|---------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|-------|-------|-------|--------------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|--|
|  (0°)      | 39.4     | 39.4                                                                                                | 53.5  | 67.3  | 81.4  | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  |  |
| ft                                                                                          | 1,000 lb |                                                                                                     |       |       |       |              |       |       |       |       |       | ft                                                                                  |  |
|                                                                                             | 240.0 *  | -                                                                                                   | -     | -     | -     | -            | -     | -     | -     | -     | -     |                                                                                     |  |
| 10                                                                                          | 175.2    | 162.1                                                                                               | 158.7 | 154.3 | 130.6 | -            | -     | -     | -     | -     | -     | 10                                                                                  |  |
| 12                                                                                          | 160.3    | 145.9                                                                                               | 145.0 | 140.9 | 127.1 | -            | -     | -     | -     | -     | -     | 12                                                                                  |  |
| 14                                                                                          | 147.4    | 131.7                                                                                               | 132.6 | 129.7 | 118.3 | 103.9        | -     | -     | -     | -     | -     | 14                                                                                  |  |
| 16                                                                                          | 136.2    | 119.4                                                                                               | 120.5 | 119.8 | 113.8 | 99.1         | -     | -     | -     | -     | -     | 16                                                                                  |  |
| 18                                                                                          | 125.5    | 109.6                                                                                               | 110.7 | 110.4 | 108.4 | 93.8         | 73.7  | -     | -     | -     | -     | 18                                                                                  |  |
| 20                                                                                          | 114.6    | 100.4                                                                                               | 101.6 | 102.9 | 102.5 | 88.7         | 70.3  | -     | -     | -     | -     | 20                                                                                  |  |
| 24                                                                                          | 93.0     | 86.2                                                                                                | 87.5  | 88.8  | 88.4  | 82.0         | 66.6  | 54.2  | -     | -     | -     | 24                                                                                  |  |
| 28                                                                                          | 72.3     | 68.2                                                                                                | 77.3  | 77.8  | 77.4  | 76.1         | 62.1  | 51.8  | 43.0  | -     | -     | 28                                                                                  |  |
| 32                                                                                          | -        | -                                                                                                   | 68.1  | 68.6  | 68.0  | 67.1         | 57.6  | 49.4  | 41.2  | 34.7  | 27.1  | 32                                                                                  |  |
| 36                                                                                          | -        | -                                                                                                   | 59.8  | 60.4  | 59.8  | 58.8         | 54.2  | 46.3  | 39.7  | 33.9  | 27.1  | 36                                                                                  |  |
| 40                                                                                          | -        | -                                                                                                   | -     | 52.6  | 52.2  | 51.1         | 50.4  | 43.2  | 38.0  | 33.1  | 27.1  | 40                                                                                  |  |
| 48                                                                                          | -        | -                                                                                                   | -     | 41.2  | 40.5  | 40.0         | 40.5  | 37.1  | 33.8  | 30.8  | 26.8  | 48                                                                                  |  |
| 56                                                                                          | -        | -                                                                                                   | -     | 27.1  | 32.0  | 33.2         | 31.9  | 31.8  | 29.6  | 27.8  | 25.2  | 56                                                                                  |  |
| 64                                                                                          | -        | -                                                                                                   | -     | -     | 27.3  | 27.1         | 26.2  | 26.3  | 25.7  | 24.8  | 23.1  | 64                                                                                  |  |
| 72                                                                                          | -        | -                                                                                                   | -     | -     | 19.4  | 22.6         | 22.8  | 21.7  | 21.7  | 21.4  | 20.8  | 72                                                                                  |  |
| 80                                                                                          | -        | -                                                                                                   | -     | -     | -     | 19.5         | 19.4  | 18.9  | 18.3  | 18.3  | 17.8  | 80                                                                                  |  |
| 88                                                                                          | -        | -                                                                                                   | -     | -     | -     | 14.0         | 16.6  | 16.3  | 16.0  | 15.6  | 15.1  | 88                                                                                  |  |
| 96                                                                                          | -        | -                                                                                                   | -     | -     | -     | -            | 14.5  | 14.1  | 14.2  | 13.4  | 12.8  | 96                                                                                  |  |
| 104                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | 12.8  | 12.1  | 12.4  | 11.5  | 10.8  | 104                                                                                 |  |
| 112                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | -     | -     | 10.7  | 9.8   | 9.2   | 112                                                                                 |  |
| 120                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | -     | -     | 8.3   | 8.3   | 7.7   | 120                                                                                 |  |
| 128                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | -     | -     | -     | 7.3   | 6.6   | 128                                                                                 |  |
| 136                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | -     | -     | -     | 6.2   | 5.5   | 136                                                                                 |  |
| 144                                                                                         | -        | -                                                                                                   | -     | -     | -     | -            | -     | -     | -     | -     | 4.7   | 144                                                                                 |  |

\* Capacity class

|  42,500 lb |                                                                                                   |  26.6 ft x 23.6 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                                                                                     | 85 % |  |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------------------------------------------------------|------|--|
|            |  360°<br>39.4 ft | Max.<br>39.4 ft                                                                                     | 360°<br>53.5 ft | Max.<br>53.5 ft | 360°<br>67.3 ft | Max.<br>67.3 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>95.5 ft | Max.<br>95.5 ft |  |      |  |
| ft                                                                                          | 1,000 lb                                                                                          |                                                                                                     |                 |                 |                 |                 |                 |                 |                 |                 |                                                                                     | ft   |  |
| 10                                                                                          | 161.6                                                                                             | 162.1                                                                                               | 158.7           | 158.7           | 154.3           | 154.3           | 130.6           | 130.6           | -               | -               | 10                                                                                  |      |  |
| 12                                                                                          | 144.8                                                                                             | 145.9                                                                                               | 144.7           | 145.0           | 140.9           | 140.9           | 127.1           | 127.1           | -               | -               | 12                                                                                  |      |  |
| 14                                                                                          | 130.3                                                                                             | 131.7                                                                                               | 131.4           | 132.6           | 129.7           | 129.7           | 118.3           | 118.3           | 103.9           | 103.9           | 14                                                                                  |      |  |
| 16                                                                                          | 118.1                                                                                             | 119.4                                                                                               | 119.2           | 120.5           | 119.0           | 119.8           | 113.8           | 113.8           | 99.1            | 99.1            | 16                                                                                  |      |  |
| 18                                                                                          | 108.2                                                                                             | 109.6                                                                                               | 109.5           | 110.7           | 109.3           | 110.4           | 107.8           | 108.4           | 93.8            | 93.8            | 18                                                                                  |      |  |
| 20                                                                                          | 99.2                                                                                              | 100.4                                                                                               | 100.5           | 101.6           | 101.8           | 102.9           | 101.4           | 102.5           | 88.7            | 88.7            | 20                                                                                  |      |  |
| 24                                                                                          | 85.3                                                                                              | 86.1                                                                                                | 86.5            | 87.5            | 87.8            | 88.8            | 87.3            | 88.4            | 82.0            | 82.0            | 24                                                                                  |      |  |
| 28                                                                                          | 67.7                                                                                              | 68.0                                                                                                | 75.4            | 76.0            | 76.0            | 76.5            | 75.5            | 76.0            | 74.6            | 74.7            | 28                                                                                  |      |  |
| 32                                                                                          | -                                                                                                 | -                                                                                                   | 64.3            | 64.9            | 64.9            | 65.3            | 64.5            | 64.8            | 63.4            | 64.0            | 32                                                                                  |      |  |
| 36                                                                                          | -                                                                                                 | -                                                                                                   | 55.2            | 56.5            | 55.9            | 56.9            | 55.3            | 56.4            | 54.1            | 55.4            | 36                                                                                  |      |  |
| 40                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | 47.5            | 49.2            | 46.8            | 48.6            | 46.2            | 47.5            | 40                                                                                  |      |  |
| 48                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | 35.9            | 37.4            | 35.8            | 36.9            | 36.6            | 38.1            | 48                                                                                  |      |  |
| 56                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | 24.1            | 25.8            | 29.4            | 30.5            | 28.9            | 30.2            | 56                                                                                  |      |  |
| 64                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | -               | -               | 23.9            | 25.1            | 23.9            | 24.6            | 64                                                                                  |      |  |
| 72                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | -               | -               | 19.4            | 19.4            | 19.9            | 21.2            | 72                                                                                  |      |  |
| 80                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | -               | -               | -               | -               | 17.0            | 18.1            | 80                                                                                  |      |  |
| 88                                                                                          | -                                                                                                 | -                                                                                                   | -               | -               | -               | -               | -               | -               | 14.0            | 14.0            | 88                                                                                  |      |  |

|  |  | 360°<br>109.6 ft | Max.<br>109.6 ft | 360°<br>123.4 ft | Max.<br>123.4 ft | 360°<br>133.2 ft | Max.<br>133.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>164.4 ft | Max.<br>164.4 ft |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|
| ft                                                                                |                                                                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                  |
| 1,000 lb                                                                          |                                                                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                                                     |
| 18                                                                                | 73.7                                                                              | 73.7             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 18                                                                                  |
| 20                                                                                | 70.3                                                                              | 70.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                  |
| 24                                                                                | 66.6                                                                              | 66.6             | 54.2             | 54.2             | -                | -                | -                | -                | -                | -                | -                | 24                                                                                  |
| 28                                                                                | 62.1                                                                              | 62.1             | 51.8             | 51.8             | 43.0             | 43.0             | -                | -                | -                | -                | -                | 28                                                                                  |
| 32                                                                                | 57.6                                                                              | 57.6             | 49.4             | 49.4             | 41.2             | 41.2             | 34.7             | 34.7             | 27.1             | 27.1             | 27.1             | 32                                                                                  |
| 36                                                                                | 52.6                                                                              | 53.5             | 46.3             | 46.3             | 39.7             | 39.7             | 33.9             | 33.9             | 27.1             | 27.1             | 27.1             | 36                                                                                  |
| 40                                                                                | 46.8                                                                              | 48.6             | 42.9             | 43.1             | 38.0             | 38.0             | 33.1             | 33.1             | 27.1             | 27.1             | 27.1             | 40                                                                                  |
| 48                                                                                | 35.3                                                                              | 36.9             | 35.7             | 36.3             | 33.0             | 33.6             | 30.8             | 30.8             | 26.8             | 26.8             | 26.8             | 48                                                                                  |
| 56                                                                                | 28.8                                                                              | 29.5             | 28.0             | 29.5             | 27.7             | 28.5             | 26.7             | 27.6             | 25.2             | 25.2             | 25.2             | 56                                                                                  |
| 64                                                                                | 23.5                                                                              | 24.8             | 23.1             | 24.0             | 22.4             | 23.7             | 22.6             | 23.6             | 21.8             | 21.8             | 22.8             | 64                                                                                  |
| 72                                                                                | 19.5                                                                              | 20.6             | 19.3             | 20.4             | 19.5             | 19.9             | 18.6             | 19.7             | 17.9             | 17.9             | 19.3             | 72                                                                                  |
| 80                                                                                | 16.8                                                                              | 17.7             | 16.1             | 17.2             | 16.3             | 17.4             | 15.5             | 16.6             | 14.8             | 14.8             | 16.1             | 80                                                                                  |
| 88                                                                                | 14.3                                                                              | 15.4             | 13.6             | 14.7             | 13.8             | 14.9             | 12.9             | 14.3             | 12.4             | 12.4             | 13.6             | 88                                                                                  |
| 96                                                                                | 12.3                                                                              | 13.4             | 11.6             | 12.7             | 11.8             | 12.9             | 10.9             | 12.1             | 10.3             | 10.3             | 11.6             | 96                                                                                  |
| 104                                                                               | 10.6                                                                              | 11.7             | 9.9              | 11.0             | 10.1             | 11.2             | 9.1              | 10.3             | 8.6              | 8.6              | 9.7              | 104                                                                                 |
| 112                                                                               | -                                                                                 | -                | -                | -                | 8.7              | 9.8              | 7.6              | 9.0              | 7.0              | 7.0              | 8.3              | 112                                                                                 |
| 120                                                                               | -                                                                                 | -                | -                | -                | 6.4              | 7.5              | 6.4              | 7.7              | 5.9              | 5.9              | 7.0              | 120                                                                                 |
| 128                                                                               | -                                                                                 | -                | -                | -                | -                | -                | 5.4              | 6.6              | 4.7              | 4.7              | 5.9              | 128                                                                                 |
| 136                                                                               | -                                                                                 | -                | -                | -                | -                | -                | 4.6              | 5.7              | 3.8              | 3.8              | 5.0              | 136                                                                                 |
| 144                                                                               | -                                                                                 | -                | -                | -                | -                | -                | -                | -                | 2.9              | 2.9              | 4.2              | 144                                                                                 |

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

| 19,000 lb |                 | 26.6 ft x 23.6 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 | 85 %            |    |
|-----------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|
| ft        | 360°<br>39.4 ft | Max.<br>39.4 ft   | 360°<br>53.5 ft | Max.<br>53.5 ft | 360°<br>67.3 ft | Max.<br>67.3 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>95.5 ft | Max.<br>95.5 ft | ft |
| 1,000 lb  |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |    |
| 10        | 158.8           | 162.1             | 158.5           | 158.7           | 154.3           | 154.3           | 130.6           | 130.6           | -               | -               | 10 |
| 12        | 141.4           | 145.9             | 142.5           | 145.0           | 140.8           | 140.9           | 127.1           | 127.1           | -               | -               | 12 |
| 14        | 127.3           | 131.7             | 128.4           | 132.6           | 128.2           | 129.7           | 118.3           | 118.3           | 103.9           | 103.9           | 14 |
| 16        | 115.4           | 119.4             | 116.5           | 120.5           | 116.4           | 119.8           | 113.8           | 113.8           | 99.1            | 99.1            | 16 |
| 18        | 105.6           | 108.4             | 106.9           | 109.7           | 106.8           | 109.5           | 105.4           | 107.6           | 93.2            | 93.8            | 18 |
| 20        | 96.0            | 97.6              | 97.6            | 99.2            | 98.9            | 100.9           | 95.7            | 100.5           | 86.4            | 88.7            | 20 |
| 24        | 75.3            | 79.1              | 78.7            | 81.4            | 79.5            | 81.9            | 75.0            | 81.4            | 68.5            | 79.5            | 24 |
| 28        | 57.9            | 64.1              | 61.7            | 68.0            | 62.6            | 68.6            | 60.6            | 68.0            | 58.7            | 67.0            | 28 |
| 32        | -               | -                 | 48.6            | 58.1            | 49.5            | 58.5            | 49.3            | 58.1            | 49.9            | 57.0            | 32 |
| 36        | -               | -                 | 40.4            | 50.9            | 41.3            | 51.3            | 42.4            | 50.9            | 41.9            | 50.2            | 36 |
| 40        | -               | -                 | -               | -               | 35.2            | 44.9            | 35.4            | 44.4            | 35.6            | 45.3            | 40 |
| 48        | -               | -                 | -               | -               | 26.3            | 35.8            | 26.5            | 36.0            | 26.7            | 36.5            | 48 |
| 56        | -               | -                 | -               | -               | 20.2            | 24.8            | 20.9            | 29.9            | 20.9            | 29.3            | 56 |
| 64        | -               | -                 | -               | -               | -               | -               | 16.6            | 24.4            | 16.9            | 24.2            | 64 |
| 72        | -               | -                 | -               | -               | -               | -               | 13.5            | 19.4            | 13.7            | 20.6            | 72 |
| 80        | -               | -                 | -               | -               | -               | -               | -               | -               | 11.3            | 17.5            | 80 |
| 88        | -               | -                 | -               | -               | -               | -               | -               | -               | 9.4             | 14.0            | 88 |

| ft       | 360°<br>109.6 ft | Max.<br>109.6 ft | 360°<br>123.4 ft | Max.<br>123.4 ft | 360°<br>133.2 ft | Max.<br>133.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>164.4 ft | Max.<br>164.4 ft | ft  |
|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| 1,000 lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |
| 18       | 73.7             | 73.7             | -                | -                | -                | -                | -                | -                | -                | -                | 18  |
| 20       | 70.2             | 70.3             | -                | -                | -                | -                | -                | -                | -                | -                | 20  |
| 24       | 63.9             | 66.6             | 54.2             | 54.2             | -                | -                | -                | -                | -                | -                | 24  |
| 28       | 54.7             | 62.1             | 49.1             | 51.8             | 43.0             | 43.0             | -                | -                | -                | -                | 28  |
| 32       | 46.7             | 57.0             | 44.5             | 49.4             | 39.9             | 41.2             | 34.7             | 34.7             | 27.1             | 27.1             | 32  |
| 36       | 41.0             | 50.9             | 38.8             | 46.3             | 36.2             | 39.7             | 32.6             | 33.9             | 27.1             | 27.1             | 36  |
| 40       | 35.2             | 44.4             | 34.3             | 42.9             | 33.6             | 38.0             | 31.4             | 33.1             | 26.8             | 27.1             | 40  |
| 48       | 26.5             | 35.3             | 25.8             | 35.8             | 26.0             | 33.1             | 24.4             | 30.8             | 22.7             | 26.8             | 48  |
| 56       | 20.6             | 29.1             | 19.9             | 28.4             | 20.1             | 28.1             | 19.3             | 26.9             | 17.8             | 25.2             | 56  |
| 64       | 16.4             | 24.0             | 15.8             | 23.5             | 16.0             | 22.9             | 15.1             | 22.9             | 13.9             | 22.0             | 64  |
| 72       | 13.1             | 20.1             | 12.6             | 19.9             | 12.9             | 19.9             | 11.8             | 19.3             | 10.9             | 18.4             | 72  |
| 80       | 10.7             | 17.3             | 10.0             | 16.6             | 10.2             | 16.8             | 9.2              | 15.9             | 8.5              | 15.5             | 80  |
| 88       | 8.7              | 14.9             | 8.1              | 14.3             | 8.3              | 14.5             | 7.3              | 13.6             | 6.6              | 13.1             | 88  |
| 96       | 7.1              | 12.8             | 6.4              | 12.3             | 6.7              | 12.4             | 5.7              | 11.5             | 5.0              | 10.9             | 96  |
| 104      | 5.9              | 11.2             | 5.2              | 10.6             | 5.2              | 10.8             | 4.4              | 9.9              | 3.7              | 9.6              | 104 |
| 112      | -                | -                | -                | -                | 4.1              | 9.4              | 3.2              | 8.5              | 2.6              | 7.9              | 112 |
| 120      | -                | -                | -                | -                | 2.2              | 7.5              | 2.2              | 7.2              | -                | 7.0              | 120 |
| 128      | -                | -                | -                | -                | -                | -                | -                | 6.4              | -                | 5.8              | 128 |
| 136      | -                | -                | -                | -                | -                | -                | -                | 5.5              | -                | 5.0              | 136 |
| 144      | -                | -                | -                | -                | -                | -                | -                | -                | -                | 4.2              | 144 |

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

|  13,400 lb       |                 |  26.6 ft x 23.6 ft |                 | 360° / Max.*                                                                                      |                 |                                                                                                   |                 |                                                                                                   |                 | 85 %                                                                              |  |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|--|
|  360°<br>39.4 ft | Max.<br>39.4 ft |  360°<br>53.5 ft   | Max.<br>53.5 ft |  360°<br>67.3 ft | Max.<br>67.3 ft |  360°<br>81.4 ft | Max.<br>81.4 ft |  360°<br>95.5 ft | Max.<br>95.5 ft |  |  |
| ft                                                                                                |                 | ft                                                                                                  |                 | ft                                                                                                |                 | ft                                                                                                |                 | ft                                                                                                |                 | ft                                                                                |  |
| 1,000 lb                                                                                          |                 |                                                                                                     |                 |                                                                                                   |                 |                                                                                                   |                 |                                                                                                   |                 |                                                                                   |  |
| 10                                                                                                | 158.0           | 162.1                                                                                               | 158.5           | 158.7                                                                                             | 154.3           | 154.3                                                                                             | 130.6           | 130.6                                                                                             | -               | 10                                                                                |  |
| 12                                                                                                | 140.7           | 145.9                                                                                               | 141.8           | 145.0                                                                                             | 140.5           | 140.9                                                                                             | 127.1           | 127.1                                                                                             | -               | 12                                                                                |  |
| 14                                                                                                | 126.6           | 131.7                                                                                               | 127.6           | 132.6                                                                                             | 127.5           | 129.7                                                                                             | 118.3           | 118.3                                                                                             | 103.9           | 14                                                                                |  |
| 16                                                                                                | 114.7           | 119.4                                                                                               | 115.9           | 120.5                                                                                             | 115.8           | 119.8                                                                                             | 113.8           | 113.8                                                                                             | 99.1            | 16                                                                                |  |
| 18                                                                                                | 103.4           | 107.1                                                                                               | 105.1           | 108.4                                                                                             | 105.0           | 108.2                                                                                             | 101.6           | 106.3                                                                                             | 89.7            | 18                                                                                |  |
| 20                                                                                                | 92.2            | 95.0                                                                                                | 95.0            | 96.6                                                                                              | 95.8            | 98.3                                                                                              | 88.1            | 97.9                                                                                              | 79.5            | 20                                                                                |  |
| 24                                                                                                | 71.0            | 76.8                                                                                                | 74.8            | 79.4                                                                                              | 73.9            | 79.8                                                                                              | 68.9            | 79.4                                                                                              | 65.1            | 24                                                                                |  |
| 28                                                                                                | 52.8            | 63.1                                                                                                | 56.6            | 66.3                                                                                              | 57.5            | 66.7                                                                                              | 55.6            | 66.3                                                                                              | 54.6            | 28                                                                                |  |
| 32                                                                                                | -               | -                                                                                                   | 44.4            | 56.5                                                                                              | 45.6            | 56.9                                                                                              | 46.7            | 56.5                                                                                              | 45.7            | 32                                                                                |  |
| 36                                                                                                | -               | -                                                                                                   | 36.9            | 49.4                                                                                              | 38.7            | 49.9                                                                                              | 39.1            | 49.4                                                                                              | 38.4            | 36                                                                                |  |
| 40                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | 32.1            | 43.6                                                                                              | 32.3            | 43.1                                                                                              | 32.6            | 40                                                                                |  |
| 48                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | 23.8            | 34.4                                                                                              | 24.4            | 34.9                                                                                              | 24.3            | 48                                                                                |  |
| 56                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | 18.6            | 22.8                                                                                              | 18.8            | 27.9                                                                                              | 19.0            | 56                                                                                |  |
| 64                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                 | 14.8            | 22.9                                                                                              | 15.0            | 64                                                                                |  |
| 72                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                 | 12.0            | 19.4                                                                                              | 12.0            | 72                                                                                |  |
| 80                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                 | -               | -                                                                                                 | 9.6             | 80                                                                                |  |
| 88                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                 | -               | -                                                                                                 | 7.9             | 88                                                                                |  |

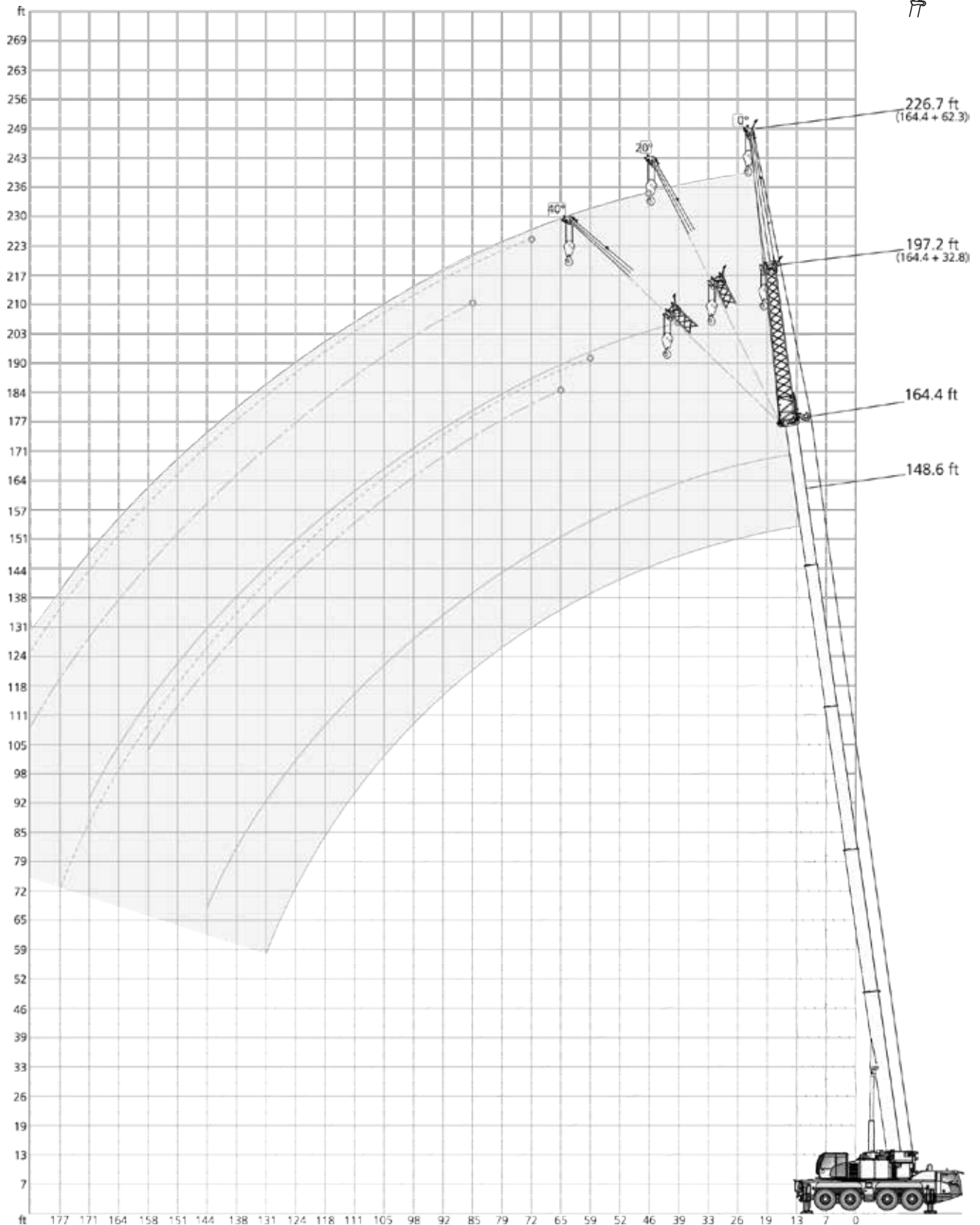
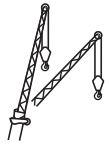
|  360°<br>109.6 ft | Max.<br>109.6 ft |  360°<br>123.4 ft | Max.<br>123.4 ft |  360°<br>133.2 ft | Max.<br>133.2 ft |  360°<br>148.6 ft | Max.<br>148.6 ft |  360°<br>164.4 ft | Max.<br>164.4 ft |  |
|----------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------|
| ft                                                                                                 |                  | ft                                                                                                 |                  | ft                                                                                                 |                  | ft                                                                                                 |                  | ft                                                                                                 |                  | ft                                                                                |
| 1,000 lb                                                                                           |                  |                                                                                                    |                  |                                                                                                    |                  |                                                                                                    |                  |                                                                                                    |                  |                                                                                   |
| 18                                                                                                 | 73.7             | 73.7                                                                                               | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | -                | 18                                                                                |
| 20                                                                                                 | 69.7             | 70.3                                                                                               | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | -                | 20                                                                                |
| 24                                                                                                 | 60.8             | 66.6                                                                                               | 53.2             | 54.2                                                                                               | -                | -                                                                                                  | -                | -                                                                                                  | -                | 24                                                                                |
| 28                                                                                                 | 50.7             | 62.1                                                                                               | 47.0             | 51.8                                                                                               | 42.4             | 43.0                                                                                               | -                | -                                                                                                  | -                | 28                                                                                |
| 32                                                                                                 | 44.2             | 55.8                                                                                               | 41.6             | 49.4                                                                                               | 38.5             | 41.2                                                                                               | 34.7             | 34.7                                                                                               | 27.1             | 32                                                                                |
| 36                                                                                                 | 37.8             | 49.4                                                                                               | 36.3             | 45.0                                                                                               | 34.8             | 39.7                                                                                               | 31.0             | 33.9                                                                                               | 26.9             | 36                                                                                |
| 40                                                                                                 | 32.2             | 43.1                                                                                               | 31.1             | 41.6                                                                                               | 30.7             | 37.9                                                                                               | 28.3             | 33.1                                                                                               | 26.1             | 40                                                                                |
| 48                                                                                                 | 24.0             | 33.8                                                                                               | 23.3             | 33.5                                                                                               | 23.7             | 32.1                                                                                               | 21.6             | 30.3                                                                                               | 19.9             | 48                                                                                |
| 56                                                                                                 | 18.5             | 27.6                                                                                               | 17.8             | 26.9                                                                                               | 18.1             | 26.3                                                                                               | 16.9             | 25.9                                                                                               | 15.3             | 56                                                                                |
| 64                                                                                                 | 14.4             | 22.5                                                                                               | 13.8             | 22.2                                                                                               | 14.2             | 22.3                                                                                               | 13.1             | 21.5                                                                                               | 11.7             | 64                                                                                |
| 72                                                                                                 | 11.5             | 19.2                                                                                               | 10.9             | 18.6                                                                                               | 11.1             | 18.8                                                                                               | 10.0             | 17.9                                                                                               | 8.9              | 72                                                                                |
| 80                                                                                                 | 9.2              | 16.2                                                                                               | 8.5              | 15.5                                                                                               | 8.7              | 15.7                                                                                               | 7.6              | 14.9                                                                                               | 6.8              | 80                                                                                |
| 88                                                                                                 | 7.4              | 13.8                                                                                               | 6.7              | 13.4                                                                                               | 7.0              | 13.5                                                                                               | 5.8              | 12.6                                                                                               | 5.2              | 88                                                                                |
| 96                                                                                                 | 5.9              | 12.0                                                                                               | 5.3              | 11.3                                                                                               | 5.3              | 11.5                                                                                               | 4.4              | 10.6                                                                                               | 3.7              | 96                                                                                |
| 104                                                                                                | 4.8              | 10.3                                                                                               | 4.1              | 9.9                                                                                                | 4.1              | 9.9                                                                                                | 3.2              | 9.2                                                                                                | 2.6              | 104                                                                               |
| 112                                                                                                | -                | -                                                                                                  | -                | -                                                                                                  | 3.0              | 8.7                                                                                                | 2.1              | 7.9                                                                                                | -                | 112                                                                               |
| 120                                                                                                | -                | -                                                                                                  | -                | -                                                                                                  | -                | 6.4                                                                                                | -                | 6.5                                                                                                | -                | 120                                                                               |
| 128                                                                                                | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | -                | 5.3                                                                                                | -                | 128                                                                               |
| 136                                                                                                | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | -                | 4.4                                                                                                | -                | 136                                                                               |
| 144                                                                                                | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | -                | -                                                                                                  | 2.9              | 144                                                                               |

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

| 9,500 lb |                 | 26.6 ft x 23.6 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 | 85 %            |    |
|----------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|
| ft       | 360°<br>39.4 ft | Max.<br>39.4 ft   | 360°<br>53.5 ft | Max.<br>53.5 ft | 360°<br>67.3 ft | Max.<br>67.3 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>95.5 ft | Max.<br>95.5 ft | ft |
| 1,000 lb |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |    |
| 10       | 157.3           | 162.1             | 158.4           | 158.7           | 154.3           | 154.3           | 130.6           | 130.6           | -               | -               | 10 |
| 12       | 140.1           | 145.9             | 141.2           | 145.0           | 140.4           | 140.9           | 127.1           | 127.1           | -               | -               | 12 |
| 14       | 126.1           | 131.7             | 127.2           | 132.6           | 127.1           | 129.7           | 118.3           | 118.3           | 103.9           | 103.9           | 14 |
| 16       | 114.3           | 119.4             | 115.5           | 120.5           | 115.3           | 119.8           | 110.3           | 113.8           | 97.8            | 99.1            | 16 |
| 18       | 101.9           | 106.1             | 103.6           | 107.4           | 102.1           | 107.2           | 96.6            | 105.4           | 86.3            | 93.8            | 18 |
| 20       | 89.3            | 93.1              | 92.8            | 95.1            | 90.0            | 96.4            | 82.7            | 95.9            | 74.7            | 88.4            | 20 |
| 24       | 66.0            | 75.2              | 70.4            | 77.7            | 69.3            | 78.3            | 64.6            | 77.7            | 62.4            | 76.7            | 24 |
| 28       | 48.9            | 62.4              | 52.6            | 64.8            | 53.6            | 65.3            | 53.4            | 64.8            | 51.1            | 63.9            | 28 |
| 32       | -               | -                 | 41.2            | 55.3            | 43.5            | 55.8            | 43.7            | 55.3            | 43.0            | 55.0            | 32 |
| 36       | -               | -                 | 34.1            | 48.4            | 36.1            | 48.9            | 36.3            | 48.4            | 36.5            | 49.1            | 36 |
| 40       | -               | -                 | -               | -               | 29.7            | 42.5            | 30.4            | 42.0            | 30.2            | 43.0            | 40 |
| 48       | -               | -                 | -               | -               | 22.2            | 33.3            | 22.4            | 33.5            | 22.7            | 32.9            | 48 |
| 56       | -               | -                 | -               | -               | 16.9            | 21.6            | 17.1            | 26.5            | 17.3            | 26.5            | 56 |
| 64       | -               | -                 | -               | -               | -               | -               | 13.4            | 21.8            | 13.5            | 22.0            | 64 |
| 72       | -               | -                 | -               | -               | -               | -               | 10.6            | 18.6            | 10.6            | 18.4            | 72 |
| 80       | -               | -                 | -               | -               | -               | -               | -               | -               | 8.5             | 15.5            | 80 |
| 88       | -               | -                 | -               | -               | -               | -               | -               | -               | 6.8             | 13.7            | 88 |

| ft       | 360°<br>109.6 ft | Max.<br>109.6 ft | 360°<br>123.4 ft | Max.<br>123.4 ft | 360°<br>133.2 ft | Max.<br>133.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>164.4 ft | Max.<br>164.4 ft | ft  |
|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| 1,000 lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |
| 18       | 73.4             | 73.7             | -                | -                | -                | -                | -                | -                | -                | -                | 18  |
| 20       | 68.7             | 70.3             | -                | -                | -                | -                | -                | -                | -                | -                | 20  |
| 24       | 57.0             | 66.6             | 51.4             | 54.2             | 41.3             | -                | -                | -                | -                | -                | 24  |
| 28       | 48.9             | 61.4             | 45.3             | 51.8             | 40.5             | 43.0             | 33.6             | -                | -                | -                | 28  |
| 32       | 41.1             | 55.0             | 38.9             | 49.4             | 37.5             | 41.2             | 33.2             | 34.7             | 27.1             | 27.1             | 32  |
| 36       | 35.2             | 47.7             | 33.4             | 44.2             | 32.8             | 39.7             | 29.7             | 33.9             | 25.6             | 27.1             | 36  |
| 40       | 30.0             | 40.9             | 28.5             | 40.8             | 28.1             | 37.7             | 25.7             | 33.1             | 23.5             | 27.1             | 40  |
| 48       | 22.2             | 33.1             | 21.4             | 31.6             | 21.5             | 31.1             | 19.4             | 29.9             | 17.8             | 26.8             | 48  |
| 56       | 16.7             | 26.3             | 16.1             | 26.0             | 16.3             | 25.6             | 14.8             | 24.9             | 13.4             | 23.8             | 56  |
| 64       | 13.0             | 21.4             | 12.3             | 21.2             | 12.6             | 21.4             | 11.2             | 20.4             | 9.9              | 19.2             | 64  |
| 72       | 10.0             | 18.2             | 9.5              | 17.7             | 9.8              | 17.9             | 8.7              | 17.0             | 7.3              | 15.5             | 72  |
| 80       | 7.9              | 15.3             | 7.2              | 14.8             | 7.5              | 14.9             | 6.5              | 14.0             | 5.5              | 12.6             | 80  |
| 88       | 6.3              | 13.3             | 5.6              | 12.6             | 5.8              | 12.8             | 4.7              | 11.8             | 4.0              | 10.4             | 88  |
| 96       | 4.8              | 11.4             | 4.2              | 10.7             | 4.4              | 10.9             | 3.4              | 9.8              | 2.8              | 8.5              | 96  |
| 104      | 3.9              | 9.7              | 3.2              | 9.0              | 3.2              | 9.1              | 2.3              | 8.1              | -                | 7.0              | 104 |
| 112      | -                | -                | -                | -                | 2.4              | 7.6              | -                | 6.6              | -                | 5.7              | 112 |
| 120      | -                | -                | -                | -                | -                | 5.3              | -                | 5.5              | -                | 4.7              | 120 |
| 128      | -                | -                | -                | -                | -                | -                | -                | 4.4              | -                | 3.7              | 128 |
| 136      | -                | -                | -                | -                | -                | -                | -                | 3.5              | -                | 2.8              | 136 |
| 144      | -                | -                | -                | -                | -                | -                | -                | -                | -                | 2.0              | 144 |

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



| 54,000 lb                                                                         |                                                                                   |          |      |      |         |     |     | 26.6 ft x 23.6 ft                                                                 |                                                                                   |         |      |      |         |     |     | 360°     |     |     |          |  |  |  |  | 85 % |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|------|---------|-----|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|----------|-----|-----|----------|--|--|--|--|------|--|--|--|--|--|--|--|--|--|
| 164.4 ft                                                                          |                                                                                   |          |      |      |         |     |     |                                                                                   |                                                                                   |         |      |      |         |     |     | 148.6 ft |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|  |  | 32.8 ft  |      |      | 62.3 ft |     |     |  |  | 32.8 ft |      |      | 62.3 ft |     |     | 0°       | 20° | 40° |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   | 0°       | 20°  | 40°  | 0°      | 20° | 40° |                                                                                   |                                                                                   | 0°      | 20°  | 40°  |         |     |     |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| ft                                                                                |                                                                                   | 1,000 lb |      |      |         |     |     |                                                                                   |                                                                                   |         |      |      |         |     |     |          | ft  |     | 1,000 lb |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 40                                                                                |                                                                                   | 14.6     | -    | -    | 8.4     | -   | -   | 36                                                                                |                                                                                   | 17.9    | -    | -    | -       | -   | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 48                                                                                |                                                                                   | 14.6     | -    | -    | 8.4     | -   | -   | 40                                                                                |                                                                                   | 17.9    | -    | -    | 10.1    | -   | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 56                                                                                |                                                                                   | 14.6     | 14.6 | -    | 8.4     | -   | -   | 48                                                                                |                                                                                   | 17.9    | -    | -    | 10.1    | -   | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 64                                                                                |                                                                                   | 14.6     | 14.6 | 13.4 | 8.4     | -   | -   | 56                                                                                |                                                                                   | 17.9    | 17.9 | -    | 10.1    | -   | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 72                                                                                |                                                                                   | 14.6     | 13.9 | 12.6 | 8.4     | -   | -   | 64                                                                                |                                                                                   | 17.9    | 17.9 | 16.2 | 10.1    | -   | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 80                                                                                |                                                                                   | 14.5     | 13.1 | 12.0 | 8.4     | 8.4 | -   | 72                                                                                |                                                                                   | 17.9    | 17.6 | 15.9 | 10.1    | 9.9 | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 88                                                                                |                                                                                   | 13.9     | 12.2 | 11.3 | 8.4     | 8.4 | 7.5 | 80                                                                                |                                                                                   | 16.7    | 16.8 | 15.6 | 10.1    | 9.7 | 8.1 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 96                                                                                |                                                                                   | 12.1     | 11.5 | 10.7 | 8.4     | 8.1 | 7.1 | 88                                                                                |                                                                                   | 14.7    | 15.3 | 15.1 | 10.1    | 9.4 | 7.8 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 104                                                                               |                                                                                   | 10.2     | 10.9 | 10.2 | 8.4     | 7.6 | 6.9 | 96                                                                                |                                                                                   | 12.3    | 13.3 | 13.7 | 10.0    | 9.1 | 7.6 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 112                                                                               |                                                                                   | 8.5      | 9.4  | 9.8  | 7.9     | 7.0 | 6.4 | 104                                                                               |                                                                                   | 11.0    | 11.3 | 11.7 | 9.7     | 8.9 | 7.5 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 120                                                                               |                                                                                   | 7.2      | 7.8  | 8.3  | 7.4     | 6.7 | 6.1 | 112                                                                               |                                                                                   | 9.4     | 9.8  | 9.8  | 9.0     | 8.6 | 7.3 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 128                                                                               |                                                                                   | 5.9      | 6.6  | 6.9  | 6.2     | 6.3 | 5.8 | 120                                                                               |                                                                                   | 7.9     | 8.5  | 8.9  | 7.6     | 8.3 | 7.3 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 136                                                                               |                                                                                   | 4.9      | 5.4  | 5.8  | 5.1     | 6.0 | 5.6 | 128                                                                               |                                                                                   | 6.8     | 7.3  | 7.6  | 6.8     | 7.6 | 7.2 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 144                                                                               |                                                                                   | 4.0      | 4.4  | 4.7  | 4.2     | 5.1 | 5.3 | 136                                                                               |                                                                                   | 5.8     | 6.2  | 6.4  | 6.0     | 6.4 | 6.9 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 152                                                                               |                                                                                   | 3.2      | 3.6  | 3.6  | 3.4     | 4.3 | 4.9 | 144                                                                               |                                                                                   | 4.7     | 5.1  | 5.3  | 4.9     | 5.5 | 6.0 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 160                                                                               |                                                                                   | 2.5      | 2.8  | -    | 2.6     | 3.5 | 3.9 | 152                                                                               |                                                                                   | 3.9     | 4.3  | -    | 4.1     | 5.0 | 5.0 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 168                                                                               |                                                                                   | -        | -    | -    | -       | 2.8 | 3.1 | 160                                                                               |                                                                                   | 3.3     | 3.5  | -    | 3.4     | 4.2 | 4.5 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
| 176                                                                               |                                                                                   | -        | -    | -    | -       | 2.1 | 2.3 | 168                                                                               |                                                                                   | -       | -    | -    | 2.8     | 3.3 | 3.1 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   |          |      |      |         |     |     | 176                                                                               |                                                                                   | -       | -    | -    | 2.3     | 2.5 | 2.3 |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   |          |      |      |         |     |     | 184                                                                               |                                                                                   | -       | -    | -    | -       | 2.0 | -   |          |     |     |          |  |  |  |  |      |  |  |  |  |  |  |  |  |  |

|  95.5 ft |          |      |      |         |      |     |  |
|---------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|--|
|          | 32.8 ft  |      |      | 62.3 ft |      |     |  |
|                                                                                             | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |  |
| ft                                                                                          | 1,000 lb |      |      |         |      |     |  |
| 16                                                                                          | 29.1     | -    | -    | -       | -    | -   |  |
| 18                                                                                          | 29.1     | -    | -    | -       | -    | -   |  |
| 20                                                                                          | 29.1     | -    | -    | 17.4    | -    | -   |  |
| 24                                                                                          | 29.1     | -    | -    | 17.1    | -    | -   |  |
| 28                                                                                          | 29.1     | -    | -    | 16.9    | -    | -   |  |
| 32                                                                                          | 29.1     | 27.6 | -    | 16.6    | -    | -   |  |
| 36                                                                                          | 29.1     | 26.4 | -    | 16.3    | -    | -   |  |
| 40                                                                                          | 29.1     | 25.2 | 19.3 | 16.0    | -    | -   |  |
| 48                                                                                          | 29.1     | 23.4 | 18.5 | 15.3    | 13.0 | -   |  |
| 56                                                                                          | 28.3     | 21.9 | 17.8 | 14.8    | 12.2 | -   |  |
| 64                                                                                          | 25.7     | 20.6 | 17.3 | 14.1    | 11.4 | 9.1 |  |
| 72                                                                                          | 21.5     | 19.4 | 17.0 | 13.5    | 10.8 | 8.8 |  |
| 80                                                                                          | 18.5     | 18.4 | 16.7 | 12.7    | 10.3 | 8.3 |  |
| 88                                                                                          | 16.3     | 16.3 | 16.0 | 12.1    | 9.7  | 8.2 |  |
| 96                                                                                          | 14.5     | 14.5 | 14.6 | 11.3    | 9.3  | 8.0 |  |
| 104                                                                                         | 12.8     | 13.1 | 8.6  | 10.5    | 9.1  | 7.7 |  |
| 112                                                                                         | 11.1     | 7.9  | -    | 9.9     | 8.6  | 7.7 |  |
| 120                                                                                         | 7.4      | -    | -    | 9.4     | 8.4  | 7.7 |  |
| 128                                                                                         | -        | -    | -    | 8.6     | 8.4  | 5.1 |  |
| 136                                                                                         | -        | -    | -    | 7.9     | 8.0  | -   |  |
| 144                                                                                         | -        | -    | -    | 7.1     | 6.0  | -   |  |

|  39.4 ft |                                                                                     |          |      |      |         |      |     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|
|          |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|                                                                                             |                                                                                     | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft                                                                                          |                                                                                     | 1,000 lb |      |      |         |      |     |
| 10                                                                                          |                                                                                     | 29.1     | -    | -    | 21.6    | -    | -   |
| 12                                                                                          |                                                                                     | 29.1     | -    | -    | 21.5    | -    | -   |
| 14                                                                                          |                                                                                     | 29.1     | -    | -    | 21.4    | -    | -   |
| 16                                                                                          |                                                                                     | 29.1     | 29.1 | -    | 21.1    | -    | -   |
| 18                                                                                          |                                                                                     | 29.1     | 29.1 | -    | 20.7    | -    | -   |
| 20                                                                                          |                                                                                     | 29.1     | 28.9 | -    | 20.4    | -    | -   |
| 24                                                                                          |                                                                                     | 29.1     | 26.8 | -    | 19.6    | -    | -   |
| 28                                                                                          |                                                                                     | 29.1     | 24.7 | 20.3 | 18.8    | -    | -   |
| 32                                                                                          |                                                                                     | 29.1     | 23.0 | 19.3 | 17.9    | 14.5 | -   |
| 36                                                                                          |                                                                                     | 27.2     | 21.6 | 18.5 | 16.9    | 13.7 | -   |
| 40                                                                                          |                                                                                     | 24.8     | 20.3 | 17.8 | 15.9    | 12.9 | -   |
| 48                                                                                          |                                                                                     | 21.2     | 18.4 | 16.9 | 13.8    | 11.6 | -   |
| 56                                                                                          |                                                                                     | 18.5     | 17.2 | -    | 12.2    | 10.6 | 9.3 |
| 64                                                                                          |                                                                                     | -        | -    | -    | 11.0    | 9.6  | 8.7 |
| 72                                                                                          |                                                                                     | -        | -    | -    | 9.9     | 9.1  | 8.2 |
| 80                                                                                          |                                                                                     | -        | -    | -    | 9.2     | 8.6  | -   |
| 88                                                                                          |                                                                                     | -        | -    | -    | 8.6     | -    | -   |

| 42,500 lb  26.6 ft x 23.6 ft |         |      |      |         |     |     | 360° 85%                                                                                   |         |      |      |         |     |     |
|---------------------------------------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|--------------------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|
|  164.4 ft                    |         |      |      |         |     |     |  148.6 ft |         |      |      |         |     |     |
|  ft                          | 32.8 ft |      |      | 62.3 ft |     |     |  ft       | 32.8 ft |      |      | 62.3 ft |     |     |
|                                                                                                               | 0°      | 20°  | 40°  | 0°      | 20° | 40° |                                                                                            | 0°      | 20°  | 40°  | 0°      | 20° | 40° |
| 1,000 lb                                                                                                      |         |      |      |         |     |     | 1,000 lb                                                                                   |         |      |      |         |     |     |
| 40                                                                                                            | 14.6    | -    | -    | 8.4     | -   | -   | 36                                                                                         | 17.9    | -    | -    | -       | -   | -   |
| 48                                                                                                            | 14.6    | -    | -    | 8.4     | -   | -   | 40                                                                                         | 17.9    | -    | -    | 10.1    | -   | -   |
| 56                                                                                                            | 14.6    | 14.6 | -    | 8.4     | -   | -   | 48                                                                                         | 17.9    | -    | -    | 10.1    | -   | -   |
| 64                                                                                                            | 14.6    | 14.6 | 13.4 | 8.4     | -   | -   | 56                                                                                         | 17.9    | 17.9 | -    | 10.1    | -   | -   |
| 72                                                                                                            | 14.6    | 13.9 | 12.6 | 8.4     | -   | -   | 64                                                                                         | 17.9    | 17.9 | 16.2 | 10.1    | -   | -   |
| 80                                                                                                            | 14.2    | 13.1 | 12.0 | 8.4     | 8.4 | -   | 72                                                                                         | 17.6    | 17.6 | 15.9 | 10.1    | 9.9 | -   |
| 88                                                                                                            | 11.8    | 12.2 | 11.3 | 8.4     | 8.4 | 7.5 | 80                                                                                         | 14.6    | 15.7 | 15.5 | 10.1    | 9.7 | 8.1 |
| 96                                                                                                            | 9.7     | 10.8 | 10.7 | 8.4     | 8.1 | 7.1 | 88                                                                                         | 12.7    | 13.1 | 14.0 | 10.1    | 9.4 | 7.8 |
| 104                                                                                                           | 7.9     | 8.8  | 9.5  | 7.8     | 7.6 | 6.9 | 96                                                                                         | 10.6    | 11.0 | 11.5 | 9.7     | 9.1 | 7.6 |
| 112                                                                                                           | 6.5     | 7.2  | 7.8  | 6.5     | 7.0 | 6.4 | 104                                                                                        | 8.8     | 9.5  | 10.0 | 8.4     | 8.9 | 7.5 |
| 120                                                                                                           | 5.3     | 5.9  | 6.4  | 5.3     | 6.6 | 6.1 | 112                                                                                        | 7.2     | 7.9  | 8.5  | 7.4     | 8.3 | 7.3 |
| 128                                                                                                           | 4.2     | 4.8  | 5.2  | 4.3     | 5.5 | 5.8 | 120                                                                                        | 6.1     | 6.6  | 7.0  | 6.3     | 7.0 | 7.3 |
| 136                                                                                                           | 3.3     | 3.8  | 4.0  | 3.3     | 4.4 | 5.3 | 128                                                                                        | 5.0     | 5.5  | 5.7  | 5.2     | 5.9 | 6.7 |
| 144                                                                                                           | 2.5     | 2.9  | 3.1  | 2.5     | 3.6 | 4.2 | 136                                                                                        | 4.0     | 4.4  | 4.7  | 4.2     | 5.1 | 5.6 |
| 152                                                                                                           | -       | -    | 2.3  | -       | 2.8 | 3.4 | 144                                                                                        | 3.1     | 3.6  | 3.8  | 3.3     | 4.2 | 4.9 |
| 160                                                                                                           | -       | -    | -    | -       | 2.0 | 2.6 | 152                                                                                        | 2.4     | 2.8  | -    | 2.6     | 3.4 | 3.9 |
|                                                                                                               |         |      |      |         |     |     | 160                                                                                        | -       | 2.0  | -    | 2.0     | 2.6 | 3.1 |

|  95.5 ft |         |      |      |         |      |     |  39.4 ft |         |      |      |         |      |     |
|--------------------------------------------------------------------------------------------|---------|------|------|---------|------|-----|--------------------------------------------------------------------------------------------|---------|------|------|---------|------|-----|
|  ft     | 32.8 ft |      |      | 62.3 ft |      |     |  ft     | 32.8 ft |      |      | 62.3 ft |      |     |
|                                                                                            | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |                                                                                            | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |
| 1,000 lb                                                                                   |         |      |      |         |      |     | 1,000 lb                                                                                   |         |      |      |         |      |     |
| 16                                                                                         | 29.1    | -    | -    | -       | -    | -   | 10                                                                                         | 29.1    | -    | -    | 21.6    | -    | -   |
| 18                                                                                         | 29.1    | -    | -    | -       | -    | -   | 12                                                                                         | 29.1    | -    | -    | 21.5    | -    | -   |
| 20                                                                                         | 29.1    | -    | -    | 17.4    | -    | -   | 14                                                                                         | 29.1    | -    | -    | 21.4    | -    | -   |
| 24                                                                                         | 29.1    | -    | -    | 17.1    | -    | -   | 16                                                                                         | 29.1    | 29.1 | -    | 21.1    | -    | -   |
| 28                                                                                         | 29.1    | -    | -    | 16.9    | -    | -   | 18                                                                                         | 29.1    | 29.1 | -    | 20.7    | -    | -   |
| 32                                                                                         | 29.1    | 27.6 | -    | 16.6    | -    | -   | 20                                                                                         | 29.1    | 28.9 | -    | 20.4    | -    | -   |
| 36                                                                                         | 29.1    | 26.4 | -    | 16.3    | -    | -   | 24                                                                                         | 29.1    | 26.8 | -    | 19.6    | -    | -   |
| 40                                                                                         | 29.1    | 25.2 | 19.3 | 16.0    | -    | -   | 28                                                                                         | 29.1    | 24.7 | 20.3 | 18.8    | -    | -   |
| 48                                                                                         | 29.1    | 23.4 | 18.5 | 15.3    | 13.0 | -   | 32                                                                                         | 29.1    | 23.0 | 19.3 | 17.9    | 14.5 | -   |
| 56                                                                                         | 27.2    | 21.9 | 17.8 | 14.8    | 12.2 | -   | 36                                                                                         | 27.2    | 21.6 | 18.5 | 16.9    | 13.7 | -   |
| 64                                                                                         | 22.9    | 20.6 | 17.3 | 14.1    | 11.4 | 9.1 | 40                                                                                         | 24.8    | 20.3 | 17.8 | 15.9    | 12.9 | -   |
| 72                                                                                         | 19.5    | 19.2 | 17.0 | 13.5    | 10.8 | 8.8 | 48                                                                                         | 21.2    | 18.4 | 16.9 | 13.8    | 11.6 | -   |
| 80                                                                                         | 16.8    | 17.0 | 16.4 | 12.7    | 10.3 | 8.3 | 56                                                                                         | 18.5    | 17.2 | -    | 12.2    | 10.6 | 9.3 |
| 88                                                                                         | 14.4    | 14.7 | 15.1 | 12.1    | 9.7  | 8.2 | 64                                                                                         | -       | -    | -    | 11.0    | 9.6  | 8.7 |
| 96                                                                                         | 12.3    | 12.8 | 13.0 | 11.3    | 9.3  | 8.0 | 72                                                                                         | -       | -    | -    | 9.9     | 9.1  | 8.2 |
| 104                                                                                        | 10.9    | 11.0 | 8.6  | 10.4    | 9.1  | 7.7 | 80                                                                                         | -       | -    | -    | 9.2     | 8.6  | -   |
| 112                                                                                        | 9.6     | 7.9  | -    | 9.6     | 8.6  | 7.7 | 88                                                                                         | -       | -    | -    | 8.6     | -    | -   |
| 120                                                                                        | 7.4     | -    | -    | 8.3     | 8.4  | 7.7 |                                                                                            |         |      |      |         |      |     |
| 128                                                                                        | -       | -    | -    | 7.5     | 7.8  | 5.1 |                                                                                            |         |      |      |         |      |     |
| 136                                                                                        | -       | -    | -    | 6.8     | 7.0  | -   |                                                                                            |         |      |      |         |      |     |
| 144                                                                                        | -       | -    | -    | 6.0     | 4.6  | -   |                                                                                            |         |      |      |         |      |     |

|  19,000 lb |                                                                                   |          |      |  26.6 ft x 23.6 ft |         |     |     | 360°                                                                                       |                                                                                   |          |      | 85%  |         |     |     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|-----------------------------------------------------------------------------------------------------|---------|-----|-----|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|------|---------|-----|-----|
|  164.4 ft  |                                                                                   |          |      |                                                                                                     |         |     |     |  148.6 ft |                                                                                   |          |      |      |         |     |     |
|            |  | 32.8 ft  |      |                                                                                                     | 62.3 ft |     |     |           |  | 32.8 ft  |      |      | 62.3 ft |     |     |
|                                                                                             |                                                                                   | 0°       | 20°  | 40°                                                                                                 | 0°      | 20° | 40° |                                                                                            |                                                                                   | 0°       | 20°  | 40°  |         |     |     |
| ft                                                                                          |                                                                                   | 1,000 lb |      |                                                                                                     |         |     |     | ft                                                                                         |                                                                                   | 1,000 lb |      |      |         |     |     |
| 40                                                                                          |                                                                                   | 14.6     | -    | -                                                                                                   | 8.4     | -   | -   | 36                                                                                         |                                                                                   | 17.9     | -    | -    | -       | -   | -   |
| 48                                                                                          |                                                                                   | 14.6     | -    | -                                                                                                   | 8.4     | -   | -   | 40                                                                                         |                                                                                   | 17.9     | -    | -    | 10.1    | -   | -   |
| 56                                                                                          |                                                                                   | 14.6     | 14.6 | -                                                                                                   | 8.4     | -   | -   | 48                                                                                         |                                                                                   | 17.9     | -    | -    | 10.1    | -   | -   |
| 64                                                                                          |                                                                                   | 12.4     | 13.7 | 13.4                                                                                                | 8.4     | -   | -   | 56                                                                                         |                                                                                   | 16.9     | 17.4 | -    | 10.1    | -   | -   |
| 72                                                                                          |                                                                                   | 9.5      | 11.1 | 12.4                                                                                                | 8.4     | -   | -   | 64                                                                                         |                                                                                   | 14.2     | 14.8 | 15.9 | 10.1    | -   | -   |
| 80                                                                                          |                                                                                   | 7.2      | 8.7  | 9.8                                                                                                 | 6.8     | 8.3 | -   | 72                                                                                         |                                                                                   | 11.1     | 12.4 | 13.1 | 9.9     | 9.9 | -   |
| 88                                                                                          |                                                                                   | 5.5      | 6.7  | 7.7                                                                                                 | 5.1     | 7.3 | 7.5 | 80                                                                                         |                                                                                   | 8.7      | 10.0 | 11.1 | 8.3     | 9.5 | 8.1 |
| 96                                                                                          |                                                                                   | 4.2      | 5.1  | 6.0                                                                                                 | 3.7     | 5.7 | 7.1 | 88                                                                                         |                                                                                   | 7.0      | 8.0  | 8.8  | 6.5     | 8.2 | 7.8 |
| 104                                                                                         |                                                                                   | 2.8      | 3.7  | 4.6                                                                                                 | 2.6     | 4.4 | 5.9 | 96                                                                                         |                                                                                   | 5.3      | 6.2  | 7.0  | 5.0     | 6.9 | 7.6 |
| 112                                                                                         |                                                                                   | -        | 2.6  | 3.2                                                                                                 | -       | 3.0 | 4.6 | 104                                                                                        |                                                                                   | 4.1      | 4.8  | 5.5  | 3.9     | 5.5 | 6.6 |
| 120                                                                                         |                                                                                   | -        | -    | 2.2                                                                                                 | -       | 2.2 | 3.5 | 112                                                                                        |                                                                                   | 2.8      | 3.7  | 4.1  | 2.8     | 4.1 | 5.5 |
| 128                                                                                         |                                                                                   | -        | -    | -                                                                                                   | -       | -   | 2.4 | 120                                                                                        |                                                                                   | -        | 2.5  | 2.9  | -       | 3.3 | 4.4 |
|                                                                                             |                                                                                   |          |      |                                                                                                     |         |     |     | 128                                                                                        |                                                                                   | -        | -    | 2.0  | -       | 2.3 | 3.3 |
|                                                                                             |                                                                                   |          |      |                                                                                                     |         |     |     | 136                                                                                        |                                                                                   | -        | -    | -    | -       | -   | 2.4 |

|  95.5 ft |          |      |      |         |      |     |  |
|-------------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|--|
|         | 32.8 ft  |      |      | 62.3 ft |      |     |  |
|                                                                                           | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |  |
| ft                                                                                        | 1,000 lb |      |      |         |      |     |  |
| 16                                                                                        | 29.1     | -    | -    | -       | -    | -   |  |
| 18                                                                                        | 29.1     | -    | -    | -       | -    | -   |  |
| 20                                                                                        | 29.1     | -    | -    | 17.4    | -    | -   |  |
| 24                                                                                        | 29.1     | -    | -    | 17.1    | -    | -   |  |
| 28                                                                                        | 29.1     | -    | -    | 16.9    | -    | -   |  |
| 32                                                                                        | 29.1     | 27.6 | -    | 16.6    | -    | -   |  |
| 36                                                                                        | 29.1     | 26.4 | -    | 16.3    | -    | -   |  |
| 40                                                                                        | 29.0     | 25.2 | 19.3 | 16.0    | -    | -   |  |
| 48                                                                                        | 26.4     | 23.4 | 18.5 | 15.3    | 13.0 | -   |  |
| 56                                                                                        | 20.9     | 21.0 | 17.8 | 14.8    | 12.2 | -   |  |
| 64                                                                                        | 17.1     | 17.9 | 17.3 | 14.1    | 11.4 | 9.1 |  |
| 72                                                                                        | 14.0     | 14.8 | 15.5 | 13.2    | 10.8 | 8.8 |  |
| 80                                                                                        | 11.6     | 12.2 | 12.7 | 11.8    | 10.3 | 8.3 |  |
| 88                                                                                        | 9.5      | 10.2 | 10.5 | 9.9     | 9.7  | 8.2 |  |
| 96                                                                                        | 7.8      | 8.3  | 8.6  | 8.2     | 9.2  | 8.0 |  |
| 104                                                                                       | 6.3      | 6.8  | 7.0  | 7.0     | 7.9  | 7.7 |  |
| 112                                                                                       | 5.2      | 5.5  | -    | 5.7     | 6.6  | 7.2 |  |
| 120                                                                                       | 4.2      | -    | -    | 4.7     | 5.5  | 5.9 |  |
| 128                                                                                       | -        | -    | -    | 3.9     | 4.4  | 4.7 |  |
| 136                                                                                       | -        | -    | -    | 3.2     | 3.5  | -   |  |
| 144                                                                                       | -        | -    | -    | 2.7     | 2.7  | -   |  |

|  39.4 ft |                                                                                    |          |      |      |         |      |     |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|------|------|---------|------|-----|
|         |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|                                                                                           |                                                                                    | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft                                                                                        |                                                                                    | 1,000 lb |      |      |         |      |     |
| 10                                                                                        |                                                                                    | 29.1     | -    | -    | 21.6    | -    | -   |
| 12                                                                                        |                                                                                    | 29.1     | -    | -    | 21.5    | -    | -   |
| 14                                                                                        |                                                                                    | 29.1     | -    | -    | 21.4    | -    | -   |
| 16                                                                                        |                                                                                    | 29.1     | 29.1 | -    | 21.1    | -    | -   |
| 18                                                                                        |                                                                                    | 29.1     | 29.1 | -    | 20.7    | -    | -   |
| 20                                                                                        |                                                                                    | 29.1     | 28.9 | -    | 20.4    | -    | -   |
| 24                                                                                        |                                                                                    | 29.1     | 26.8 | -    | 19.6    | -    | -   |
| 28                                                                                        |                                                                                    | 29.1     | 24.7 | 20.3 | 18.8    | -    | -   |
| 32                                                                                        |                                                                                    | 29.1     | 23.0 | 19.3 | 17.9    | 14.5 | -   |
| 36                                                                                        |                                                                                    | 27.2     | 21.6 | 18.5 | 16.9    | 13.7 | -   |
| 40                                                                                        |                                                                                    | 24.8     | 20.3 | 17.8 | 15.9    | 12.9 | -   |
| 48                                                                                        |                                                                                    | 21.2     | 18.4 | 16.9 | 13.8    | 11.6 | -   |
| 56                                                                                        |                                                                                    | 18.5     | 17.2 | -    | 12.2    | 10.6 | 9.3 |
| 64                                                                                        |                                                                                    | -        | -    | -    | 11.0    | 9.6  | 8.7 |
| 72                                                                                        |                                                                                    | -        | -    | -    | 9.9     | 9.1  | 8.2 |
| 80                                                                                        |                                                                                    | -        | -    | -    | 9.2     | 8.6  | -   |
| 88                                                                                        |                                                                                    | -        | -    | -    | 8.6     | -    | -   |

|  13,400 lb                                                                         |  |          |      |  26.6 ft x 23.6 ft |         |     |     | 360°                                                                                                                                                                |  |         |      | 85%  |         |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-----------------------------------------------------------------------------------------------------|---------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------|------|---------|-----|-----|
|  164.4 ft                                                                          |  |          |      |                                                                                                     |         |     |     |  148.6 ft                                                                          |  |         |      |      |         |     |     |
|   |  | 32.8 ft  |      |                                                                                                     | 62.3 ft |     |     |   |  | 32.8 ft |      |      | 62.3 ft |     |     |
|                                                                                                                                                                     |  | 0°       | 20°  | 40°                                                                                                 | 0°      | 20° | 40° |                                                                                                                                                                     |  | 0°      | 20°  | 40°  | 0°      | 20° | 40° |
| ft                                                                                                                                                                  |  | 1,000 lb |      |                                                                                                     |         |     |     |                                                                                                                                                                     |  |         |      |      |         |     |     |
| 40                                                                                                                                                                  |  | 14.6     | -    | -                                                                                                   | 8.4     | -   | -   | 36                                                                                                                                                                  |  | 17.9    | -    | -    | -       | -   | -   |
| 48                                                                                                                                                                  |  | 14.6     | -    | -                                                                                                   | 8.4     | -   | -   | 40                                                                                                                                                                  |  | 17.9    | -    | -    | 10.1    | -   | -   |
| 56                                                                                                                                                                  |  | 13.4     | 14.4 | -                                                                                                   | 8.4     | -   | -   | 48                                                                                                                                                                  |  | 17.5    | 17.3 | -    | 10.1    | -   | -   |
| 64                                                                                                                                                                  |  | 10.4     | 12.2 | 13.3                                                                                                | 8.4     | -   | -   | 56                                                                                                                                                                  |  | 15.5    | 16.2 | -    | 10.1    | -   | -   |
| 72                                                                                                                                                                  |  | 7.6      | 9.1  | 10.6                                                                                                | 7.1     | -   | -   | 64                                                                                                                                                                  |  | 12.0    | 13.4 | 14.4 | 9.9     | -   | -   |
| 80                                                                                                                                                                  |  | 5.5      | 7.0  | 8.1                                                                                                 | 5.0     | 7.6 | -   | 72                                                                                                                                                                  |  | 9.1     | 10.4 | 11.7 | 8.6     | 9.9 | -   |
| 88                                                                                                                                                                  |  | 4.0      | 5.2  | 6.2                                                                                                 | 3.5     | 5.8 | 7.4 | 80                                                                                                                                                                  |  | 7.0     | 8.3  | 9.4  | 6.6     | 8.7 | 8.1 |
| 96                                                                                                                                                                  |  | 2.6      | 3.7  | 4.6                                                                                                 | 2.3     | 4.2 | 6.0 | 88                                                                                                                                                                  |  | 5.3     | 6.4  | 7.3  | 5.0     | 7.0 | 7.8 |
| 104                                                                                                                                                                 |  | -        | 2.6  | 3.3                                                                                                 | -       | 3.0 | 4.6 | 96                                                                                                                                                                  |  | 3.9     | 4.8  | 5.7  | 3.6     | 5.5 | 6.9 |
| 112                                                                                                                                                                 |  | -        | -    | -                                                                                                   | -       | -   | 3.5 | 104                                                                                                                                                                 |  | 2.8     | 3.7  | 4.4  | 2.6     | 4.1 | 5.5 |
| 120                                                                                                                                                                 |  | -        | -    | -                                                                                                   | -       | -   | 2.4 | 112                                                                                                                                                                 |  | -       | 2.6  | 3.0  | -       | 3.0 | 4.3 |
|                                                                                                                                                                     |  |          |      |                                                                                                     |         |     |     | 120                                                                                                                                                                 |  | -       | -    | -    | -       | 2.2 | 3.3 |
|                                                                                                                                                                     |  |          |      |                                                                                                     |         |     |     | 128                                                                                                                                                                 |  | -       | -    | -    | -       | -   | 2.3 |

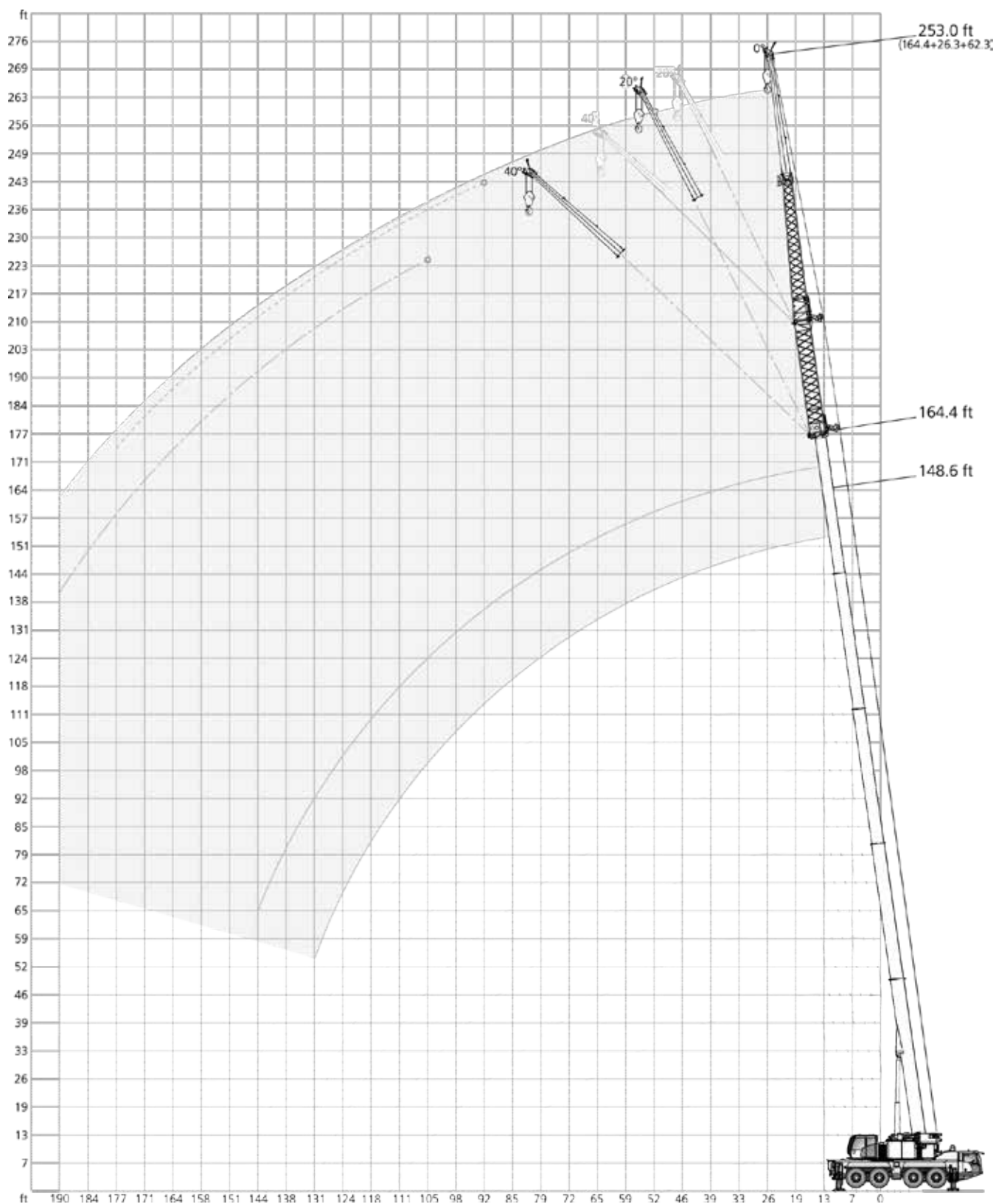
| 95.5 ft |  |          |      |      |         |      |     |
|---------|--|----------|------|------|---------|------|-----|
|         |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|         |  | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft      |  | 1,000 lb |      |      |         |      |     |
| 16      |  | 29.1     | -    | -    | -       | -    | -   |
| 18      |  | 29.1     | -    | -    | -       | -    | -   |
| 20      |  | 29.1     | -    | -    | 17.4    | -    | -   |
| 24      |  | 29.1     | -    | -    | 17.1    | -    | -   |
| 28      |  | 29.1     | -    | -    | 16.9    | -    | -   |
| 32      |  | 29.1     | 27.6 | -    | 16.6    | -    | -   |
| 36      |  | 29.1     | 26.4 | -    | 16.3    | -    | -   |
| 40      |  | 28.8     | 25.2 | 19.3 | 16.0    | -    | -   |
| 48      |  | 24.4     | 23.0 | 18.5 | 15.3    | 13.0 | -   |
| 56      |  | 19.4     | 19.8 | 17.8 | 14.8    | 12.2 | -   |
| 64      |  | 15.3     | 16.4 | 16.6 | 14.0    | 11.4 | 9.1 |
| 72      |  | 12.2     | 13.1 | 13.7 | 12.6    | 10.8 | 8.8 |
| 80      |  | 10.0     | 10.7 | 11.1 | 10.5    | 10.2 | 8.3 |
| 88      |  | 8.1      | 8.7  | 9.2  | 8.6     | 9.4  | 8.2 |
| 96      |  | 6.6      | 7.1  | 7.4  | 7.0     | 8.2  | 7.9 |
| 104     |  | 5.2      | 5.7  | 5.9  | 5.7     | 6.8  | 7.3 |
| 112     |  | 4.1      | 4.6  | -    | 4.6     | 5.5  | 6.1 |
| 120     |  | 3.3      | -    | -    | 3.8     | 4.4  | 5.0 |
| 128     |  | -        | -    | -    | 3.0     | 3.5  | 4.0 |
| 136     |  | -        | -    | -    | 2.3     | 2.6  | -   |
| 144     |  | -        | -    | -    | 1.8     | 2.0  | -   |

| 39.4 ft |  |          |      |      |         |      |     |
|---------|--|----------|------|------|---------|------|-----|
|         |  | 32.8 ft  |      |      | 62.3 ft |      |     |
|         |  | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft      |  | 1,000 lb |      |      |         |      |     |
| 10      |  | 29.1     | -    | -    | 21.6    | -    | -   |
| 12      |  | 29.1     | -    | -    | 21.5    | -    | -   |
| 14      |  | 29.1     | -    | -    | 21.4    | -    | -   |
| 16      |  | 29.1     | 29.1 | -    | 21.1    | -    | -   |
| 18      |  | 29.1     | 29.1 | -    | 20.7    | -    | -   |
| 20      |  | 29.1     | 28.9 | -    | 20.4    | -    | -   |
| 24      |  | 29.1     | 26.8 | -    | 19.6    | -    | -   |
| 28      |  | 29.1     | 24.7 | 20.3 | 18.8    | -    | -   |
| 32      |  | 29.1     | 23.0 | 19.3 | 17.9    | 14.5 | -   |
| 36      |  | 27.2     | 21.6 | 18.5 | 16.9    | 13.7 | -   |
| 40      |  | 24.8     | 20.3 | 17.8 | 15.9    | 12.9 | -   |
| 48      |  | 21.2     | 18.4 | 16.9 | 13.8    | 11.6 | -   |
| 56      |  | 18.5     | 17.2 | -    | 12.2    | 10.6 | 9.3 |
| 64      |  | -        | -    | -    | 11.0    | 9.6  | 8.7 |
| 72      |  | -        | -    | -    | 9.9     | 9.1  | 8.2 |
| 80      |  | -        | -    | -    | 9.2     | 8.6  | -   |
| 88      |  | -        | -    | -    | 8.6     | -    | -   |

| 9,500 lb  26.6 ft x 23.6 ft |         |      |      |         |     |     | 360° 85%                                                                                   |         |      |      |         |     |     |
|--------------------------------------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|--------------------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|
|  164.4 ft                   |         |      |      |         |     |     |  148.6 ft |         |      |      |         |     |     |
|  ft                         | 32.8 ft |      |      | 62.3 ft |     |     |  ft       | 32.8 ft |      |      | 62.3 ft |     |     |
|                                                                                                              | 0°      | 20°  | 40°  | 0°      | 20° | 40° |                                                                                            | 0°      | 20°  | 40°  | 0°      | 20° | 40° |
| 1,000 lb                                                                                                     |         |      |      |         |     |     | 1,000 lb                                                                                   |         |      |      |         |     |     |
| 40                                                                                                           | 14.6    | -    | -    | 8.4     | -   | -   | 36                                                                                         | 17,9    | -    | -    | -       | -   | -   |
| 48                                                                                                           | 14.2    | -    | -    | 8.4     | -   | -   | 40                                                                                         | 17,9    | -    | -    | 10,1    | -   | -   |
| 56                                                                                                           | 11.8    | 13.5 | -    | 8.4     | -   | -   | 48                                                                                         | 16,9    | 17,3 | -    | 10,1    | -   | -   |
| 64                                                                                                           | 8.5     | 10.4 | 12.1 | 7.5     | -   | -   | 56                                                                                         | 13,6    | 15,2 | 14,3 | 10,1    | -   | -   |
| 72                                                                                                           | 6.2     | 7.8  | 9.1  | 5.6     | -   | -   | 64                                                                                         | 10,3    | 12,0 | 13,1 | 9,3     | -   | -   |
| 80                                                                                                           | 4.4     | 5.7  | 6.8  | 3.8     | 6.3 | -   | 72                                                                                         | 7,6     | 9,1  | 10,4 | 7,1     | 9,7 | -   |
| 88                                                                                                           | 2.9     | 4.0  | 5.0  | 2.4     | 4.6 | 6.6 | 80                                                                                         | 5,7     | 7,0  | 8,0  | 5,3     | 7,6 | 8,1 |
| 96                                                                                                           | -       | 2.6  | 3.5  | -       | 3.3 | 5.0 | 88                                                                                         | 4,2     | 5,2  | 6,1  | 3,7     | 5,8 | 7,4 |
| 104                                                                                                          | -       | -    | 2.3  | -       | 2.1 | 3.7 | 96                                                                                         | 2,8     | 3,9  | 4,6  | 2,5     | 4,4 | 6,0 |
| 112                                                                                                          | -       | -    | -    | -       | -   | 2.4 | 104                                                                                        | 1,9     | 2,6  | 3,3  | -       | 3,2 | 4,6 |
|                                                                                                              |         |      |      |         |     |     | 112                                                                                        | -       | -    | -    | -       | -   | 3,5 |
|                                                                                                              |         |      |      |         |     |     | 120                                                                                        | -       | -    | -    | -       | -   | 2,5 |

|  95.5 ft |         |      |      |         |      |     |
|-------------------------------------------------------------------------------------------|---------|------|------|---------|------|-----|
|  ft      | 32.8 ft |      |      | 62.3 ft |      |     |
|                                                                                           | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |
| 1,000 lb                                                                                  |         |      |      |         |      |     |
| 16                                                                                        | 29.1    | -    | -    | -       | -    | -   |
| 18                                                                                        | 29.1    | -    | -    | -       | -    | -   |
| 20                                                                                        | 29.1    | -    | -    | 17.4    | -    | -   |
| 24                                                                                        | 29.1    | -    | -    | 17.1    | -    | -   |
| 28                                                                                        | 29.1    | -    | -    | 16.9    | -    | -   |
| 32                                                                                        | 29.1    | 27.6 | -    | 16.6    | -    | -   |
| 36                                                                                        | 29.1    | 26.4 | -    | 16.3    | -    | -   |
| 40                                                                                        | 28.6    | 25.2 | 19.3 | 16.0    | -    | -   |
| 48                                                                                        | 23.1    | 22.4 | 18.5 | 15.3    | 13.0 | -   |
| 56                                                                                        | 17.7    | 18.9 | 17.7 | 14.6    | 12.2 | -   |
| 64                                                                                        | 13.9    | 14.9 | 15.6 | 13.4    | 11.4 | 9.1 |
| 72                                                                                        | 11.1    | 12.0 | 12.4 | 11.5    | 10.8 | 8.8 |
| 80                                                                                        | 8.7     | 9.6  | 10.1 | 9.4     | 10.0 | 8.3 |
| 88                                                                                        | 7.0     | 7.6  | 8.2  | 7.6     | 8.8  | 8.1 |
| 96                                                                                        | 5.5     | 6.1  | 6.4  | 6.1     | 7.2  | 7.8 |
| 104                                                                                       | 4.3     | 4.8  | 5.0  | 4.8     | 5.9  | 6.6 |
| 112                                                                                       | 3.5     | 3.7  | -    | 3.9     | 4.8  | 5.4 |
| 120                                                                                       | 2.5     | -    | -    | 3.0     | 3.7  | 4.2 |
| 128                                                                                       | -       | -    | -    | 2.3     | 2.8  | 3.2 |
| 136                                                                                       | -       | -    | -    | -       | 2.1  | -   |

|  39.4 ft |         |      |      |         |      |     |
|-------------------------------------------------------------------------------------------|---------|------|------|---------|------|-----|
|  ft      | 32.8 ft |      |      | 62.3 ft |      |     |
|                                                                                           | 0°      | 20°  | 40°  | 0°      | 20°  | 40° |
| 1,000 lb                                                                                  |         |      |      |         |      |     |
| 10                                                                                        | 29.1    | -    | -    | 21.6    | -    | -   |
| 12                                                                                        | 29.1    | -    | -    | 21.5    | -    | -   |
| 14                                                                                        | 29.1    | -    | -    | 21.4    | -    | -   |
| 16                                                                                        | 29.1    | 29.1 | -    | 21.1    | -    | -   |
| 18                                                                                        | 29.1    | 29.1 | -    | 20.7    | -    | -   |
| 20                                                                                        | 29.1    | 28.9 | -    | 20.4    | -    | -   |
| 24                                                                                        | 29.1    | 26.8 | -    | 19.6    | -    | -   |
| 28                                                                                        | 29.1    | 24.7 | 20.3 | 18.8    | -    | -   |
| 32                                                                                        | 29.1    | 23.0 | 19.3 | 17.9    | 14.5 | -   |
| 36                                                                                        | 27.2    | 21.6 | 18.5 | 16.9    | 13.7 | -   |
| 40                                                                                        | 24.8    | 20.3 | 17.8 | 15.9    | 12.9 | -   |
| 48                                                                                        | 21.2    | 18.4 | 16.9 | 13.8    | 11.6 | -   |
| 56                                                                                        | 17.5    | 16.9 | -    | 12.2    | 10.6 | 9.3 |
| 64                                                                                        | -       | -    | -    | 11.0    | 9.6  | 8.7 |
| 72                                                                                        | -       | -    | -    | 9.9     | 9.1  | 8.2 |
| 80                                                                                        | -       | -    | -    | 9.2     | 8.6  | -   |
| 88                                                                                        | -       | -    | -    | 8.5     | -    | -   |



| 54,000 lb                                                                                  |                                                                                   | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85% |  |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----|--------------------------------------------------------------------------------------------|-----|-----|--|
|  164.4 ft |                                                                                   |                   |     |  148.6 ft |     |     |  |
|           |  | 26.3 ft           |     | 26.3 ft                                                                                    |     |     |  |
|                                                                                            |                                                                                   | 0°                | 0°  | 0°                                                                                         | 20° | 40° |  |
|                                                                                            |                                                                                   | 62.3 ft           |     | 62.3 ft                                                                                    |     |     |  |
|           |  | 0°                | 20° | 40°                                                                                        | 0°  | 0°* |  |
|                                                                                            |                                                                                   | 1,000 lb          |     | 1,000 lb                                                                                   |     |     |  |
| 48                                                                                         |                                                                                   | 9.3               | -   | -                                                                                          | -   | -   |  |
| 56                                                                                         |                                                                                   | 9.3               | -   | -                                                                                          | -   | -   |  |
| 64                                                                                         |                                                                                   | 9.3               | 9.3 | -                                                                                          | -   | -   |  |
| 72                                                                                         |                                                                                   | 9.3               | 9.3 | -                                                                                          | -   | -   |  |
| 80                                                                                         |                                                                                   | 9.3               | 9.3 | 9.1                                                                                        | 8.7 | -   |  |
| 88                                                                                         |                                                                                   | 9.3               | 9.0 | 8.4                                                                                        | 8.1 | 7.1 |  |
| 96                                                                                         |                                                                                   | 9.0               | 8.2 | 7.9                                                                                        | 7.4 | 6.7 |  |
| 104                                                                                        |                                                                                   | 8.3               | 7.6 | 7.3                                                                                        | 6.9 | 6.2 |  |
| 112                                                                                        |                                                                                   | 7.6               | 7.0 | 6.8                                                                                        | 6.6 | 5.9 |  |
| 120                                                                                        |                                                                                   | 6.3               | 6.5 | 6.3                                                                                        | 6.1 | 5.7 |  |
| 128                                                                                        |                                                                                   | 5.1               | 5.7 | 5.9                                                                                        | 5.7 | 5.4 |  |
| 136                                                                                        |                                                                                   | 4.0               | 4.7 | 5.1                                                                                        | 5.0 | 5.1 |  |
| 144                                                                                        |                                                                                   | 2.9               | 3.6 | 4.0                                                                                        | 4.0 | 4.9 |  |
| 152                                                                                        |                                                                                   | 2.1               | 2.8 | 3.0                                                                                        | 3.0 | 3.8 |  |
| 160                                                                                        |                                                                                   | -                 | -   | 2.2                                                                                        | 2.2 | 2.8 |  |

|  95.5 ft |                                                                                     |         |      |      |      |      |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|------|------|------|------|
|          |  | 26.3 ft |      |      |      |      |
|                                                                                             |                                                                                     | 0°      | 0°   | 0°   | 20°  | 40°  |
|                                                                                             |                                                                                     | 62.3 ft |      |      |      |      |
|                                                                                             |                                                                                     | 0°      | 20°  | 40°  | 0°   | 0°   |
| 1,000 lb                                                                                    |                                                                                     |         |      |      |      |      |
| ft                                                                                          |                                                                                     |         |      |      |      |      |
| 24                                                                                          |                                                                                     | 25.4    | -    | -    | -    | -    |
| 28                                                                                          |                                                                                     | 24.6    | -    | -    | -    | -    |
| 32                                                                                          |                                                                                     | 23.6    | -    | -    | -    | -    |
| 36                                                                                          |                                                                                     | 22.5    | 19.1 | -    | -    | -    |
| 40                                                                                          |                                                                                     | 21.4    | 18.2 | -    | -    | -    |
| 48                                                                                          |                                                                                     | 19.4    | 16.6 | 14.7 | 14.3 | -    |
| 56                                                                                          |                                                                                     | 17.7    | 15.3 | 13.8 | 13.2 | -    |
| 64                                                                                          |                                                                                     | 16.0    | 14.1 | 12.9 | 12.3 | 10.0 |
| 72                                                                                          |                                                                                     | 14.6    | 13.0 | 12.1 | 11.5 | 9.7  |
| 80                                                                                          |                                                                                     | 13.5    | 12.2 | 11.4 | 10.9 | 9.2  |
| 88                                                                                          |                                                                                     | 12.5    | 11.4 | 10.8 | 10.3 | 8.9  |
| 96                                                                                          |                                                                                     | 11.7    | 10.7 | 10.3 | 9.9  | 8.7  |
| 104                                                                                         |                                                                                     | 10.9    | 10.2 | 10.0 | 9.3  | 8.4  |
| 112                                                                                         |                                                                                     | 9.9     | 9.7  | 9.7  | 8.8  | 8.4  |
| 120                                                                                         |                                                                                     | 8.8     | 9.0  | 5.0  | 8.5  | 8.2  |
| 128                                                                                         |                                                                                     | 7.9     | 7.9  | -    | 7.9  | 4.5  |
| 136                                                                                         |                                                                                     | 6.9     | 7.1  | -    | 7.2  | -    |
| 144                                                                                         |                                                                                     | 5.8     | 4.0  | -    | 4.0  | -    |

|  39.4 ft |                                                                                     |          |      |      |      |      |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|------|------|
|          |  | 26.3 ft  |      |      |      |      |
|                                                                                             |                                                                                     | 0°       | 0°   | 0°   | 20°  | 40°  |
|                                                                                             |                                                                                     | 62.3 ft  |      |      |      |      |
|                                                                                             |                                                                                     | 0°       | 20°  | 40°  | 0°   | 0°   |
| ft                                                                                          |                                                                                     | 1,000 lb |      |      |      |      |
| 10                                                                                          |                                                                                     | 29.1     | -    | -    | -    | -    |
| 12                                                                                          |                                                                                     | 29.1     | -    | -    | -    | -    |
| 14                                                                                          |                                                                                     | 29.1     | -    | -    | -    | -    |
| 16                                                                                          |                                                                                     | 29.1     | -    | -    | -    | -    |
| 18                                                                                          |                                                                                     | 29.1     | -    | -    | -    | -    |
| 20                                                                                          |                                                                                     | 28.9     | 24.3 | -    | -    | -    |
| 24                                                                                          |                                                                                     | 26.0     | 22.2 | -    | -    | -    |
| 28                                                                                          |                                                                                     | 23.4     | 20.2 | -    | -    | -    |
| 32                                                                                          |                                                                                     | 21.2     | 18.6 | 16.8 | 16.4 | -    |
| 36                                                                                          |                                                                                     | 19.3     | 17.3 | 15.8 | 15.3 | -    |
| 40                                                                                          |                                                                                     | 17.7     | 16.1 | 14.9 | 14.4 | -    |
| 48                                                                                          |                                                                                     | 15.3     | 14.1 | 13.3 | 12.8 | 11.0 |
| 56                                                                                          |                                                                                     | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                          |                                                                                     | 12.0     | 11.2 | 11.0 | 10.5 | 9.4  |
| 72                                                                                          |                                                                                     | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                          |                                                                                     | 9.6      | 9.4  | -    | 9.0  | -    |

 \*161.1 ft

| 42,500 lb                                                                                  |                                                                                   | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85% |  |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----|--------------------------------------------------------------------------------------------|-----|-----|--|
|  164.4 ft |                                                                                   |                   |     |  148.6 ft |     |     |  |
|           |  | 26.3 ft           |     | 26.3 ft                                                                                    |     |     |  |
|                                                                                            |                                                                                   | 0°                | 0°  | 0°                                                                                         | 20° | 40° |  |
|                                                                                            |                                                                                   | 62.3 ft           |     | 62.3 ft                                                                                    |     |     |  |
|           |  | 0°                | 20° | 40°                                                                                        | 0°  | 0°* |  |
|                                                                                            |                                                                                   | 1,000 lb          |     | 1,000 lb                                                                                   |     |     |  |
|                                                                                            |                                                                                   | ft                |     | ft                                                                                         |     |     |  |
| 48                                                                                         | 9.3                                                                               | -                 | -   | -                                                                                          | -   | -   |  |
| 56                                                                                         | 9.3                                                                               | -                 | -   | -                                                                                          | -   | -   |  |
| 64                                                                                         | 9.3                                                                               | 9.3               | -   | -                                                                                          | -   | -   |  |
| 72                                                                                         | 9.3                                                                               | 9.3               | -   | -                                                                                          | -   | -   |  |
| 80                                                                                         | 9.3                                                                               | 9.3               | 9.1 | 8.7                                                                                        | -   | -   |  |
| 88                                                                                         | 9.3                                                                               | 9.0               | 8.4 | 8.1                                                                                        | 7.1 | -   |  |
| 96                                                                                         | 8.3                                                                               | 8.2               | 7.9 | 7.4                                                                                        | 6.7 | -   |  |
| 104                                                                                        | 6.6                                                                               | 7.6               | 7.3 | 6.9                                                                                        | 6.2 | -   |  |
| 112                                                                                        | 5.2                                                                               | 6.1               | 6.8 | 6.6                                                                                        | 5.9 | -   |  |
| 120                                                                                        | 4.2                                                                               | 5.0               | 5.6 | 5.6                                                                                        | 5.7 | -   |  |
| 128                                                                                        | 3.1                                                                               | 4.0               | 4.4 | 4.4                                                                                        | 5.2 | -   |  |
| 136                                                                                        | 2.2                                                                               | 2.9               | 3.3 | 3.3                                                                                        | 4.2 | -   |  |
| 144                                                                                        | -                                                                                 | 2.0               | 2.5 | 2.5                                                                                        | 3.1 | -   |  |
| 152                                                                                        | -                                                                                 | -                 | -   | -                                                                                          | 2.3 | -   |  |

|  95.5 ft |                                                                                     |          |      |      |      |      |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|------|------|
|         |  | 26.3 ft  |      |      |      |      |
|                                                                                            |                                                                                     | 0°       | 0°   | 0°   | 20°  | 40°  |
|                                                                                            |                                                                                     | 62.3 ft  |      |      |      |      |
|                                                                                            |                                                                                     | 0°       | 20°  | 40°  | 0°   | 0°   |
| ft                                                                                         |                                                                                     | 1,000 lb |      |      |      |      |
| 24                                                                                         |                                                                                     | 25.4     | -    | -    | -    | -    |
| 28                                                                                         |                                                                                     | 24.6     | -    | -    | -    | -    |
| 32                                                                                         |                                                                                     | 23.6     | -    | -    | -    | -    |
| 36                                                                                         |                                                                                     | 22.5     | 19.1 | -    | -    | -    |
| 40                                                                                         |                                                                                     | 21.4     | 18.2 | -    | -    | -    |
| 48                                                                                         |                                                                                     | 19.4     | 16.6 | 14.7 | 14.3 | -    |
| 56                                                                                         |                                                                                     | 17.7     | 15.3 | 13.8 | 13.2 | -    |
| 64                                                                                         |                                                                                     | 16.0     | 14.1 | 12.9 | 12.3 | 10.0 |
| 72                                                                                         |                                                                                     | 14.6     | 13.0 | 12.1 | 11.5 | 9.7  |
| 80                                                                                         |                                                                                     | 13.5     | 12.2 | 11.4 | 10.9 | 9.2  |
| 88                                                                                         |                                                                                     | 12.4     | 11.4 | 10.8 | 10.3 | 8.9  |
| 96                                                                                         |                                                                                     | 11.2     | 10.7 | 10.3 | 9.9  | 8.7  |
| 104                                                                                        |                                                                                     | 10.1     | 10.0 | 10.0 | 9.3  | 8.4  |
| 112                                                                                        |                                                                                     | 8.5      | 9.0  | 9.0  | 8.8  | 8.3  |
| 120                                                                                        |                                                                                     | 7.4      | 7.7  | 5.0  | 7.9  | 8.0  |
| 128                                                                                        |                                                                                     | 6.6      | 6.7  | -    | 6.7  | 4.5  |
| 136                                                                                        |                                                                                     | 5.5      | 5.8  | -    | 5.9  | -    |
| 144                                                                                        |                                                                                     | 4.9      | 4.0  | -    | 4.0  | -    |

|                                                                                     |                                                                                     |          |      |      |      |      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|------|------|------|
|   |                                                                                     | 39.4 ft  |      |      |      |      |
|  |  | 26.3 ft  |      |      |      |      |
|                                                                                     |                                                                                     | 0°       | 0°   | 0°   | 20°  | 40°  |
|                                                                                     |                                                                                     | 62.3 ft  |      |      |      |      |
|                                                                                     |                                                                                     | 0°       | 20°  | 40°  | 0°   | 0°   |
| ft                                                                                  |                                                                                     | 1,000 lb |      |      |      |      |
| 10                                                                                  |                                                                                     | 29.1     | -    | -    | -    | -    |
| 12                                                                                  |                                                                                     | 29.1     | -    | -    | -    | -    |
| 14                                                                                  |                                                                                     | 29.1     | -    | -    | -    | -    |
| 16                                                                                  |                                                                                     | 29.1     | -    | -    | -    | -    |
| 18                                                                                  |                                                                                     | 29.1     | -    | -    | -    | -    |
| 20                                                                                  |                                                                                     | 28.9     | 24.3 | -    | -    | -    |
| 24                                                                                  |                                                                                     | 26.0     | 22.2 | -    | -    | -    |
| 28                                                                                  |                                                                                     | 23.4     | 20.2 | -    | -    | -    |
| 32                                                                                  |                                                                                     | 21.2     | 18.6 | 16.8 | 16.4 | -    |
| 36                                                                                  |                                                                                     | 19.3     | 17.3 | 15.8 | 15.3 | -    |
| 40                                                                                  |                                                                                     | 17.7     | 16.1 | 14.9 | 14.4 | -    |
| 48                                                                                  |                                                                                     | 15.3     | 14.1 | 13.3 | 12.8 | 11.0 |
| 56                                                                                  |                                                                                     | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                  |                                                                                     | 12.0     | 11.2 | 11.0 | 10.5 | 9.4  |
| 72                                                                                  |                                                                                     | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                  |                                                                                     | 9.6      | 9.4  | -    | 9.0  | -    |

 \*161.1 ft

| 19,000 lb                                                                                  |                                                                                   | 26.6 ft x 23.6 ft |     | 360°                                                                                       |     | 85 %     |  |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----|--------------------------------------------------------------------------------------------|-----|----------|--|
|  164.4 ft |                                                                                   |                   |     |  148.6 ft |     |          |  |
|           |  | 26.3 ft           |     | 26.3 ft                                                                                    |     |          |  |
|                                                                                            |                                                                                   | 0°                | 0°  | 0°                                                                                         | 20° | 40°      |  |
|                                                                                            |                                                                                   | 62.3 ft           |     | 62.3 ft                                                                                    |     |          |  |
|                                                                                            |                                                                                   | 0°                | 20° | 40°                                                                                        | 0°  | 0°*      |  |
| ft                                                                                         |                                                                                   | 1,000 lb          |     | ft                                                                                         |     | 1,000 lb |  |
| 48                                                                                         |                                                                                   | 9.3               | -   | -                                                                                          | -   | -        |  |
| 56                                                                                         |                                                                                   | 9.3               | -   | -                                                                                          | -   | -        |  |
| 64                                                                                         |                                                                                   | 9.3               | 9.3 | -                                                                                          | -   | -        |  |
| 72                                                                                         |                                                                                   | 7.8               | 9.3 | -                                                                                          | -   | -        |  |
| 80                                                                                         |                                                                                   | 5.7               | 7.2 | 8.5                                                                                        | 8.3 | -        |  |
| 88                                                                                         |                                                                                   | 3.9               | 5.2 | 6.4                                                                                        | 6.2 | 7.1      |  |
| 96                                                                                         |                                                                                   | 2.5               | 3.7 | 4.7                                                                                        | 4.6 | 6.3      |  |
| 104                                                                                        |                                                                                   | -                 | 2.4 | 3.3                                                                                        | 3.3 | 5.0      |  |
| 112                                                                                        |                                                                                   | -                 | -   | -                                                                                          | -   | 3.7      |  |
| 120                                                                                        |                                                                                   | -                 | -   | -                                                                                          | -   | 2.4      |  |

|                                                                                           |                                                                                    |          |      |                                                                                           |      |          |  |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|------|-------------------------------------------------------------------------------------------|------|----------|--|
|  95.5 ft |                                                                                    |          |      |  39.4 ft |      |          |  |
|        |  | 26.3 ft  |      | 26.3 ft                                                                                   |      |          |  |
|                                                                                           |                                                                                    | 0°       | 0°   | 0°                                                                                        | 20°  | 40°      |  |
|                                                                                           |                                                                                    | 62.3 ft  |      | 62.3 ft                                                                                   |      |          |  |
|                                                                                           |                                                                                    | 0°       | 20°  | 40°                                                                                       | 0°   | 0°       |  |
| ft                                                                                        |                                                                                    | 1,000 lb |      | ft                                                                                        |      | 1,000 lb |  |
| 24                                                                                        |                                                                                    | 25.4     | -    | -                                                                                         | -    | -        |  |
| 28                                                                                        |                                                                                    | 24.6     | -    | -                                                                                         | -    | -        |  |
| 32                                                                                        |                                                                                    | 23.6     | -    | -                                                                                         | -    | -        |  |
| 36                                                                                        |                                                                                    | 22.5     | 19.1 | -                                                                                         | -    | -        |  |
| 40                                                                                        |                                                                                    | 21.4     | 18.2 | -                                                                                         | -    | -        |  |
| 48                                                                                        |                                                                                    | 19.4     | 16.6 | 14.7                                                                                      | 14.3 | -        |  |
| 56                                                                                        |                                                                                    | 17.7     | 15.3 | 13.8                                                                                      | 13.2 | -        |  |
| 64                                                                                        |                                                                                    | 15.5     | 14.1 | 12.9                                                                                      | 12.3 | 10.0     |  |
| 72                                                                                        |                                                                                    | 13.7     | 13.0 | 12.1                                                                                      | 11.5 | 9.7      |  |
| 80                                                                                        |                                                                                    | 11.1     | 11.6 | 11.3                                                                                      | 10.7 | 9.2      |  |
| 88                                                                                        |                                                                                    | 9.0      | 9.9  | 10.1                                                                                      | 9.8  | 8.9      |  |
| 96                                                                                        |                                                                                    | 7.2      | 8.0  | 8.5                                                                                       | 8.4  | 8.5      |  |
| 104                                                                                       |                                                                                    | 5.9      | 6.4  | 6.8                                                                                       | 6.8  | 7.4      |  |
| 112                                                                                       |                                                                                    | 4.6      | 5.2  | 5.4                                                                                       | 5.5  | 6.1      |  |
| 120                                                                                       |                                                                                    | 3.6      | 4.0  | 4.2                                                                                       | 4.4  | 4.8      |  |
| 128                                                                                       |                                                                                    | 2.8      | 3.1  | -                                                                                         | 3.3  | 3.5      |  |
| 136                                                                                       |                                                                                    | 2.1      | 2.2  | -                                                                                         | 2.4  | -        |  |
| 144                                                                                       |                                                                                    | -        | -    | -                                                                                         | 1.6  | -        |  |

|                                                                                               |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
|  *161.1 ft |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|

| 13,400 lb |  | 26.6 ft x 23.6 ft |     |     |     |     |
|-----------|--|-------------------|-----|-----|-----|-----|
| 164.4 ft  |  |                   |     |     |     |     |
|           |  | 26.3 ft           |     |     |     |     |
|           |  | 0°                | 0°  | 0°  | 20° | 40° |
|           |  | 62.3 ft           |     |     |     |     |
|           |  | 0°                | 20° | 40° | 0°  | 0°* |
| ft        |  | 1,000 lb          |     |     |     |     |
| 48        |  | 9.3               | -   | -   | -   | -   |
| 56        |  | 9.3               | -   | -   | -   | -   |
| 64        |  | 8.1               | 9.3 | -   | -   | -   |
| 72        |  | 5.8               | 7.5 | -   | -   | -   |
| 80        |  | 3.9               | 5.4 | 6.8 | 6.5 | -   |
| 88        |  | 2.4               | 3.6 | 5.0 | 4.7 | 6.7 |
| 96        |  | -                 | 2.3 | 3.4 | 3.3 | 5.1 |
| 104       |  | -                 | -   | 2.1 | 1.9 | 3.7 |
| 112       |  | -                 | -   | -   | -   | 2.4 |

| 360°     |  | 85%      |      |      |     |     |
|----------|--|----------|------|------|-----|-----|
| 148.6 ft |  |          |      |      |     |     |
|          |  | 26.3 ft  |      |      |     |     |
|          |  | 0°       | 0°   | 0°   | 20° | 40° |
|          |  | 62.3 ft  |      |      |     |     |
|          |  | 0°       | 20°  | 40°  | 0°  | 0°  |
| ft       |  | 1,000 lb |      |      |     |     |
| 40       |  | 11.7     | -    | -    | -   | -   |
| 48       |  | 11.7     | -    | -    | -   | -   |
| 56       |  | 11.5     | 11.5 | -    | -   | -   |
| 64       |  | 10.0     | 11.3 | -    | -   | -   |
| 72       |  | 7.5      | 9.1  | 10.0 | 9.7 | -   |
| 80       |  | 5.4      | 6.9  | 8.1  | 7.9 | 8.6 |
| 88       |  | 3.7      | 5.0  | 6.2  | 6.0 | 7.3 |
| 96       |  | 2.5      | 3.5  | 4.5  | 4.4 | 6.0 |
| 104      |  | -        | 2.3  | 3.2  | 3.0 | 4.4 |
| 112      |  | -        | -    | -    | -   | 3.2 |

|  95.5 ft                                                                             |         |      |      |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|------|------|------|--|
|   | 26.3 ft |      |      |      |      |  |
|                                                                                                                                                                       | 0°      | 0°   | 0°   | 20°  | 40°  |  |
|                                                                                                                                                                       | 62.3 ft |      |      |      |      |  |
|                                                                                                                                                                       | 0°      | 20°  | 40°  | 0°   | 0°   |  |
| ft1,000 lb                                                                                                                                                            |         |      |      |      |      |  |
| 24                                                                                                                                                                    | 25.4    | -    | -    | -    | -    |  |
| 28                                                                                                                                                                    | 24.6    | -    | -    | -    | -    |  |
| 32                                                                                                                                                                    | 23.6    | -    | -    | -    | -    |  |
| 36                                                                                                                                                                    | 22.5    | 19.1 | -    | -    | -    |  |
| 40                                                                                                                                                                    | 21.4    | 18.2 | -    | -    | -    |  |
| 48                                                                                                                                                                    | 19.4    | 16.6 | 14.7 | 14.3 | -    |  |
| 56                                                                                                                                                                    | 17.2    | 15.3 | 13.8 | 13.2 | -    |  |
| 64                                                                                                                                                                    | 14.8    | 14.1 | 12.9 | 12.3 | 10.0 |  |
| 72                                                                                                                                                                    | 12.0    | 12.6 | 12.1 | 11.5 | 9.7  |  |
| 80                                                                                                                                                                    | 9.6     | 10.5 | 10.9 | 10.5 | 9.2  |  |
| 88                                                                                                                                                                    | 7.6     | 8.4  | 9.1  | 9.0  | 8.8  |  |
| 96                                                                                                                                                                    | 6.0     | 6.7  | 7.2  | 7.1  | 7.9  |  |
| 104                                                                                                                                                                   | 4.6     | 5.2  | 5.7  | 5.7  | 6.4  |  |
| 112                                                                                                                                                                   | 3.5     | 4.1  | 4.3  | 4.3  | 5.0  |  |
| 120                                                                                                                                                                   | 2.7     | 3.1  | 3.3  | 3.3  | 3.7  |  |
| 128                                                                                                                                                                   | 1.9     | 2.1  | -    | 2.3  | 2.6  |  |

|  39.4 ft                                                                              |         |      |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|------|------|------|
|   | 26.3 ft |      |      |      |      |
|                                                                                                                                                                        | 0°      | 0°   | 0°   | 20°  | 40°  |
|                                                                                                                                                                        | 62.3 ft |      |      |      |      |
|                                                                                                                                                                        | 0°      | 20°  | 40°  | 0°   | 0°   |
| ft1,000 lb                                                                                                                                                             |         |      |      |      |      |
| 10                                                                                                                                                                     | 29.1    | -    | -    | -    | -    |
| 12                                                                                                                                                                     | 29.1    | -    | -    | -    | -    |
| 14                                                                                                                                                                     | 29.1    | -    | -    | -    | -    |
| 16                                                                                                                                                                     | 29.1    | -    | -    | -    | -    |
| 18                                                                                                                                                                     | 29.1    | -    | -    | -    | -    |
| 20                                                                                                                                                                     | 28.9    | 24.3 | -    | -    | -    |
| 24                                                                                                                                                                     | 26.0    | 22.2 | -    | -    | -    |
| 28                                                                                                                                                                     | 23.4    | 20.2 | -    | -    | -    |
| 32                                                                                                                                                                     | 21.2    | 18.6 | 16.8 | 16.4 | -    |
| 36                                                                                                                                                                     | 19.3    | 17.3 | 15.8 | 15.3 | -    |
| 40                                                                                                                                                                     | 17.7    | 16.1 | 14.9 | 14.4 | -    |
| 48                                                                                                                                                                     | 15.3    | 14.1 | 13.3 | 12.8 | 11.0 |
| 56                                                                                                                                                                     | 13.4    | 12.4 | 11.9 | 11.4 | 10.0 |
| 64                                                                                                                                                                     | 12.0    | 11.2 | 11.0 | 10.5 | 9.4  |
| 72                                                                                                                                                                     | 10.6    | 10.2 | 10.2 | 9.5  | 8.8  |
| 80                                                                                                                                                                     | 9.6     | 9.4  | -    | 9.0  | -    |

\*161.1 ft

| 9,500 lb |  | 26.6 ft x 23.6 ft |      | 360°     |     | 85%      |  |
|----------|--|-------------------|------|----------|-----|----------|--|
| 164.4 ft |  |                   |      | 148.6 ft |     |          |  |
|          |  | 26.3 ft           |      | 26.3 ft  |     |          |  |
|          |  | 0°                | 0°   | 0°       | 20° | 40°      |  |
|          |  | 62.3 ft           |      | 62.3 ft  |     |          |  |
|          |  | 0°                | 20°  | 40°      | 0°  | 0°*      |  |
| ft       |  | 1,000 lb          |      | ft       |     | 1,000 lb |  |
| 48       |  | 9.3               | -    | -        | -   | -        |  |
| 56       |  | 8.9               | -    | -        | -   | -        |  |
| 64       |  | 6.8               | 8.4  | -        | -   | -        |  |
| 72       |  | 4.5               | 6.2  | -        | -   | -        |  |
| 80       |  | 2.6               | 4.2  | 5.4      | 5.3 | -        |  |
| 88       |  | -                 | 2.6  | 3.6      | 3.6 | 5.8      |  |
| 96       |  | -                 | -    | 2.3      | 2.2 | 4.2      |  |
| 104      |  | -                 | -    | -        | -   | 2.8      |  |
|          |  |                   |      |          |     |          |  |
| 40       |  | 11.7              | -    | -        | -   | -        |  |
| 48       |  | 11.7              | -    | -        | -   | -        |  |
| 56       |  | 10.9              | 11.5 | -        | -   | -        |  |
| 64       |  | 8.5               | 10.1 | -        | -   | -        |  |
| 72       |  | 6.0               | 7.6  | 9.1      | 8.8 | -        |  |
| 80       |  | 4.2               | 5.7  | 6.8      | 6.5 | 8.3      |  |
| 88       |  | 2.6               | 3.9  | 5.0      | 4.7 | 6.6      |  |
| 96       |  | -                 | 2.5  | 3.5      | 3.3 | 4.9      |  |
| 104      |  | -                 | -    | 2.2      | 2.1 | 3.5      |  |

|  95.5 ft                                                                            |         |      |      |      |      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|------|------|------|--|
|   | 26.3 ft |      |      |      |      |  |
|                                                                                                                                                                      | 0°      | 0°   | 0°   | 20°  | 40°  |  |
|                                                                                                                                                                      | 62.3 ft |      |      |      |      |  |
|                                                                                                                                                                      | 0°      | 20°  | 40°  | 0°   | 0°   |  |
| ft1,000 lb                                                                                                                                                           |         |      |      |      |      |  |
| 24                                                                                                                                                                   | 25.4    | -    | -    | -    | -    |  |
| 28                                                                                                                                                                   | 24.6    | -    | -    | -    | -    |  |
| 32                                                                                                                                                                   | 23.6    | -    | -    | -    | -    |  |
| 36                                                                                                                                                                   | 22.5    | 19.1 | -    | -    | -    |  |
| 40                                                                                                                                                                   | 21.4    | 18.2 | -    | -    | -    |  |
| 48                                                                                                                                                                   | 18.9    | 16.6 | 14.7 | 14.3 | -    |  |
| 56                                                                                                                                                                   | 16.4    | 15.3 | 13.8 | 13.2 | -    |  |
| 64                                                                                                                                                                   | 13.7    | 13.7 | 12.9 | 12.3 | 10.0 |  |
| 72                                                                                                                                                                   | 10.6    | 11.7 | 11.9 | 11.5 | 9.7  |  |
| 80                                                                                                                                                                   | 8.3     | 9.4  | 10.2 | 9.8  | 9.2  |  |
| 88                                                                                                                                                                   | 6.5     | 7.4  | 8.0  | 7.8  | 8.5  |  |
| 96                                                                                                                                                                   | 5.0     | 5.8  | 6.2  | 6.2  | 7.1  |  |
| 104                                                                                                                                                                  | 3.7     | 4.4  | 4.8  | 4.8  | 5.5  |  |
| 112                                                                                                                                                                  | 2.8     | 3.2  | 3.5  | 3.5  | 4.1  |  |
| 120                                                                                                                                                                  | -       | 2.2  | 2.5  | 2.6  | 3.1  |  |
| 128                                                                                                                                                                  | -       | -    | -    | -    | 2.0  |  |

|  39.4 ft                                                                             |          |      |      |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------|------|------|--|
|   | 26.3 ft  |      |      |      |      |  |
|                                                                                                                                                                       | 0°       | 0°   | 0°   | 20°  | 40°  |  |
|                                                                                                                                                                       | 62.3 ft  |      |      |      |      |  |
|                                                                                                                                                                       | 0°       | 20°  | 40°  | 0°   | 0°   |  |
| ft                                                                                                                                                                    | 1,000 lb |      |      |      |      |  |
| 10                                                                                                                                                                    | 29.1     | -    | -    | -    | -    |  |
| 12                                                                                                                                                                    | 29.1     | -    | -    | -    | -    |  |
| 14                                                                                                                                                                    | 29.1     | -    | -    | -    | -    |  |
| 16                                                                                                                                                                    | 29.1     | -    | -    | -    | -    |  |
| 18                                                                                                                                                                    | 29.1     | -    | -    | -    | -    |  |
| 20                                                                                                                                                                    | 28.9     | 24.3 | -    | -    | -    |  |
| 24                                                                                                                                                                    | 26.0     | 22.2 | -    | -    | -    |  |
| 28                                                                                                                                                                    | 23.4     | 20.2 | -    | -    | -    |  |
| 32                                                                                                                                                                    | 21.2     | 18.6 | 16.8 | 16.4 | -    |  |
| 36                                                                                                                                                                    | 19.3     | 17.3 | 15.8 | 15.3 | -    |  |
| 40                                                                                                                                                                    | 17.7     | 16.1 | 14.9 | 14.4 | -    |  |
| 48                                                                                                                                                                    | 15.3     | 14.1 | 13.3 | 12.8 | 11.0 |  |
| 56                                                                                                                                                                    | 13.4     | 12.4 | 11.9 | 11.4 | 10.0 |  |
| 64                                                                                                                                                                    | 12.0     | 11.2 | 11.0 | 10.5 | 9.4  |  |
| 72                                                                                                                                                                    | 10.6     | 10.2 | 10.2 | 9.5  | 8.8  |  |
| 80                                                                                                                                                                    | 9.4      | 9.3  | -    | 9.0  | -    |  |

\*161.1 ft

| 54,000 lb                                                                         |                                                                                   | 26.6 ft x 23.6 ft |      | 360°     |     | 85% |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|------|----------|-----|-----|--|
| 164.4 ft                                                                          |                                                                                   |                   |      | 148.6 ft |     |     |  |
|  |  | 26.3 ft           |      |          |     |     |  |
|                                                                                   |                                                                                   | 0°                | 0°   | 0°       | 20° | 40° |  |
|                                                                                   |                                                                                   | 32.8 ft           |      |          |     |     |  |
|                                                                                   |                                                                                   | 0°                | 20°* | 40°*     | 0°  | 0°  |  |
| ft                                                                                |                                                                                   | 1,000 lb          |      |          |     |     |  |
| 56                                                                                |                                                                                   | 5.5               | -    | -        | -   | -   |  |
| 64                                                                                |                                                                                   | 5.5               | -    | -        | -   | -   |  |
| 72                                                                                |                                                                                   | 5.5               | -    | -        | -   | -   |  |
| 80                                                                                |                                                                                   | 5.5               | 5.7  | -        | -   | -   |  |
| 88                                                                                |                                                                                   | 5.5               | 5.7  | -        | -   | -   |  |
| 96                                                                                |                                                                                   | 5.5               | 5.7  | -        | -   | -   |  |
| 104                                                                               |                                                                                   | 5.5               | 5.5  | 5.1      | -   | -   |  |
| 112                                                                               |                                                                                   | 5.5               | 5.1  | 4.8      | -   | -   |  |
| 120                                                                               |                                                                                   | 5.2               | 4.8  | 4.5      | -   | -   |  |
| 128                                                                               |                                                                                   | 4.7               | 4.4  | 4.1      | -   | -   |  |
| 136                                                                               |                                                                                   | 3.8               | 4.0  | 3.8      | -   | -   |  |
| 144                                                                               |                                                                                   | 2.9               | 3.8  | 3.5      | -   | -   |  |
| 152                                                                               |                                                                                   | 2.1               | 3.4  | 3.3      | -   | -   |  |
| 160                                                                               |                                                                                   | -                 | 2.6  | 3.2      | -   | -   |  |
| 168                                                                               |                                                                                   | -                 | -    | 2.7      | -   | -   |  |
| 176                                                                               |                                                                                   | -                 | -    | 1.9      | -   | -   |  |

|  |  | 26.3 ft  |     |     |     |      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----|-----|-----|------|
|                                                                                   |                                                                                   | 0°       | 0°  | 0°  | 20° | 40°  |
|                                                                                   |                                                                                   | 32.8 ft  |     |     |     |      |
|                                                                                   |                                                                                   | 0°       | 20° | 40° | 0°  | 0°** |
| ft                                                                                |                                                                                   | 1,000 lb |     |     |     |      |
| 48                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |
| 56                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |
| 64                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |
| 72                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |
| 80                                                                                |                                                                                   | 6.8      | 6.8 | -   | -   | -    |
| 88                                                                                |                                                                                   | 6.8      | 6.7 | -   | 6.0 | -    |
| 96                                                                                |                                                                                   | 6.8      | 6.5 | 6.0 | 5.8 | -    |
| 104                                                                               |                                                                                   | 6.6      | 6.2 | 5.8 | 5.5 | 4.9  |
| 112                                                                               |                                                                                   | 6.4      | 5.9 | 5.7 | 5.5 | 4.8  |
| 120                                                                               |                                                                                   | 6.0      | 5.7 | 5.4 | 5.2 | 4.6  |
| 128                                                                               |                                                                                   | 5.3      | 5.5 | 5.3 | 5.0 | 4.4  |
| 136                                                                               |                                                                                   | 4.4      | 5.4 | 5.1 | 4.9 | 4.2  |
| 144                                                                               |                                                                                   | 3.8      | 4.7 | 4.9 | 4.6 | 4.2  |
| 152                                                                               |                                                                                   | 3.2      | 3.6 | 4.5 | 3.9 | 4.2  |
| 160                                                                               |                                                                                   | 2.4      | 3.0 | 3.5 | 3.1 | 3.9  |
| 168                                                                               |                                                                                   | -        | 2.5 | 2.7 | -   | 2.9  |
| 176                                                                               |                                                                                   | -        | 1.9 | 2.3 | -   | 2.1  |

|  95.5 ft                                                                             |          |      |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----|-----|-----|
|   | 26.3 ft  |      |     |     |     |
|                                                                                                                                                                         | 0°       | 0°   | 0°  | 20° | 40° |
|                                                                                                                                                                         | 32.8 ft  |      |     |     |     |
|                                                                                                                                                                         | 0°       | 20°  | 40° | 0°  | 0°  |
| ft                                                                                                                                                                      | 1,000 lb |      |     |     |     |
| 28                                                                                                                                                                      | 13.4     | -    | -   | -   | -   |
| 32                                                                                                                                                                      | 13.4     | -    | -   | -   | -   |
| 36                                                                                                                                                                      | 13.2     | -    | -   | -   | -   |
| 40                                                                                                                                                                      | 12.9     | -    | -   | -   | -   |
| 48                                                                                                                                                                      | 12.1     | -    | -   | -   | -   |
| 56                                                                                                                                                                      | 11.3     | 10.0 | -   | -   | -   |
| 64                                                                                                                                                                      | 10.5     | 9.2  | -   | 8.3 | -   |
| 72                                                                                                                                                                      | 9.9      | 8.6  | 7.7 | 7.7 | -   |
| 80                                                                                                                                                                      | 9.1      | 8.1  | 7.2 | 7.2 | -   |
| 88                                                                                                                                                                      | 8.4      | 7.5  | 6.9 | 6.7 | 5.6 |
| 96                                                                                                                                                                      | 7.9      | 7.0  | 6.5 | 6.3 | 5.2 |
| 104                                                                                                                                                                     | 7.3      | 6.6  | 6.2 | 6.0 | 4.9 |
| 112                                                                                                                                                                     | 6.8      | 6.2  | 5.9 | 5.7 | 4.8 |
| 120                                                                                                                                                                     | 6.3      | 5.9  | 5.7 | 5.2 | 4.6 |
| 128                                                                                                                                                                     | 5.9      | 5.6  | 5.4 | 5.0 | 4.4 |
| 136                                                                                                                                                                     | 5.6      | 5.2  | 5.1 | 4.7 | 4.4 |
| 144                                                                                                                                                                     | 5.1      | 5.1  | 5.1 | 4.6 | 4.4 |
| 152                                                                                                                                                                     | 4.8      | 4.8  | 2.6 | 4.4 | -   |
| 160                                                                                                                                                                     | 4.5      | 4.6  | -   | 4.4 | -   |

|  39.4 ft |                                                                                     |          |      |     |     |     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|------|-----|-----|-----|
|          |  | 26.3 ft  |      |     |     |     |
|                                                                                             |                                                                                     | 0°       | 0°   | 0°  | 20° | 40° |
|                                                                                             |                                                                                     | 32.8 ft  |      |     |     |     |
|                                                                                             |                                                                                     | 0°       | 20°  | 40° | 0°  | 0°  |
| ft                                                                                          |                                                                                     | 1,000 lb |      |     |     |     |
| 14                                                                                          |                                                                                     | 17.9     | -    | -   | -   | -   |
| 16                                                                                          |                                                                                     | 17.9     | -    | -   | -   | -   |
| 18                                                                                          |                                                                                     | 17.8     | -    | -   | -   | -   |
| 20                                                                                          |                                                                                     | 17.6     | -    | -   | -   | -   |
| 24                                                                                          |                                                                                     | 16.8     | -    | -   | -   | -   |
| 28                                                                                          |                                                                                     | 16.0     | -    | -   | -   | -   |
| 32                                                                                          |                                                                                     | 15.2     | -    | -   | -   | -   |
| 36                                                                                          |                                                                                     | 14.2     | -    | -   | -   | -   |
| 40                                                                                          |                                                                                     | 13.3     | 12.0 | -   | -   | -   |
| 48                                                                                          |                                                                                     | 11.7     | 10.5 | -   | 9.6 | -   |
| 56                                                                                          |                                                                                     | 10.2     | 9.4  | 8.7 | 8.6 | -   |
| 64                                                                                          |                                                                                     | 9.0      | 8.4  | 7.9 | 7.7 | -   |
| 72                                                                                          |                                                                                     | 8.2      | 7.5  | 7.1 | 7.1 | -   |
| 80                                                                                          |                                                                                     | 7.4      | 6.7  | 6.5 | 6.3 | 5.6 |
| 88                                                                                          |                                                                                     | 6.6      | 6.2  | 6.1 | 5.8 | 5.2 |
| 96                                                                                          |                                                                                     | 5.9      | 5.7  | 5.7 | 5.2 | 4.9 |
| 104                                                                                         |                                                                                     | 5.4      | 5.3  | -   | 4.9 | 4.7 |
| 112                                                                                         |                                                                                     | 4.8      | -    | -   | -   | -   |

 \*161.1 ft    \*\*137.5 ft

| 42,500 lb |     | 26.6 ft x 23.6 ft |      | 360°     |     | 85 %     |   |
|-----------|-----|-------------------|------|----------|-----|----------|---|
| 164.4 ft  |     |                   |      | 148.6 ft |     |          |   |
|           |     | 26.3 ft           |      |          |     | 26.3 ft  |   |
|           |     | 0°                | 0°   | 0°       | 20° | 40°      |   |
|           |     | 32.8 ft           |      |          |     | 32.8 ft  |   |
|           |     | 0°                | 20°* | 40°*     | 0°  | 0°       |   |
| ft        |     | 1,000 lb          |      |          |     | 1,000 lb |   |
| 56        | 5.5 | -                 | -    | -        | -   | -        | - |
| 64        | 5.5 | -                 | -    | -        | -   | -        | - |
| 72        | 5.5 | -                 | -    | -        | -   | -        | - |
| 80        | 5.5 | 5.7               | -    | -        | -   | -        | - |
| 88        | 5.5 | 5.7               | -    | -        | -   | -        | - |
| 96        | 5.5 | 5.7               | -    | -        | -   | -        | - |
| 104       | 5.5 | 5.5               | 5.1  | -        | -   | -        | - |
| 112       | 4.8 | 5.1               | 4.8  | -        | -   | -        | - |
| 120       | 3.7 | 4.8               | 4.5  | -        | -   | -        | - |
| 128       | 2.8 | 4.3               | 4.1  | -        | -   | -        | - |
| 136       | 1.9 | 3.5               | 3.8  | -        | -   | -        | - |
| 144       | -   | 2.7               | 3.5  | -        | -   | -        | - |
| 152       | -   | -                 | 2.8  | -        | -   | -        | - |
| 160       | -   | -                 | 2.0  | -        | -   | -        | - |

| 148.6 ft |     |          |     | 148.6 ft |     |          |   |
|----------|-----|----------|-----|----------|-----|----------|---|
|          |     | 26.3 ft  |     |          |     | 26.3 ft  |   |
|          |     | 0°       | 0°  | 0°       | 20° | 40°      |   |
|          |     | 32.8 ft  |     |          |     | 32.8 ft  |   |
|          |     | 0°       | 20° | 40°      | 0°  | 0°**     |   |
| ft       |     | 1,000 lb |     |          |     | 1,000 lb |   |
| 48       | 6.8 | -        | -   | -        | -   | -        | - |
| 56       | 6.8 | -        | -   | -        | -   | -        | - |
| 64       | 6.8 | -        | -   | -        | -   | -        | - |
| 72       | 6.8 | -        | -   | -        | -   | -        | - |
| 80       | 6.8 | 6.8      | -   | -        | -   | -        | - |
| 88       | 6.8 | 6.7      | -   | 6.0      | -   | -        | - |
| 96       | 6.8 | 6.5      | 6.0 | 5.8      | -   | -        | - |
| 104      | 6.6 | 6.2      | 5.8 | 5.5      | 4.9 | -        | - |
| 112      | 5.5 | 5.9      | 5.7 | 5.5      | 4.8 | -        | - |
| 120      | 4.9 | 5.6      | 5.4 | 5.2      | 4.6 | -        | - |
| 128      | 4.0 | 4.8      | 5.3 | 5.0      | 4.4 | -        | - |
| 136      | 3.0 | 3.9      | 4.8 | 4.2      | 4.2 | -        | - |
| 144      | 2.4 | 3.5      | 3.8 | 3.3      | 4.2 | -        | - |
| 152      | -   | 2.5      | 3.2 | 2.5      | 3.4 | -        | - |
| 160      | -   | -        | 2.4 | -        | 2.4 | -        | - |

|  95.5 ft |                                                                                     |         |      |     |     |     |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|------|-----|-----|-----|
|         |  | 26.3 ft |      |     |     |     |
|                                                                                            |                                                                                     | 0°      | 0°   | 0°  | 20° | 40° |
|                                                                                            |                                                                                     | 32.8 ft |      |     |     |     |
|                                                                                            |                                                                                     | 0°      | 20°  | 40° | 0°  | 0°  |
| 1,000 lb                                                                                   |                                                                                     |         |      |     |     |     |
| ft                                                                                         |                                                                                     |         |      |     |     |     |
| 28                                                                                         |                                                                                     | 13.4    | -    | -   | -   | -   |
| 32                                                                                         |                                                                                     | 13.4    | -    | -   | -   | -   |
| 36                                                                                         |                                                                                     | 13.2    | -    | -   | -   | -   |
| 40                                                                                         |                                                                                     | 12.9    | -    | -   | -   | -   |
| 48                                                                                         |                                                                                     | 12.1    | -    | -   | -   | -   |
| 56                                                                                         |                                                                                     | 11.3    | 10.0 | -   | -   | -   |
| 64                                                                                         |                                                                                     | 10.5    | 9.2  | -   | 8.3 | -   |
| 72                                                                                         |                                                                                     | 9.9     | 8.6  | 7.7 | 7.7 | -   |
| 80                                                                                         |                                                                                     | 9.1     | 8.1  | 7.2 | 7.2 | -   |
| 88                                                                                         |                                                                                     | 8.4     | 7.5  | 6.9 | 6.7 | 5.6 |
| 96                                                                                         |                                                                                     | 7.9     | 7.0  | 6.5 | 6.3 | 5.2 |
| 104                                                                                        |                                                                                     | 7.3     | 6.6  | 6.2 | 6.0 | 4.9 |
| 112                                                                                        |                                                                                     | 6.8     | 6.2  | 5.9 | 5.7 | 4.8 |
| 120                                                                                        |                                                                                     | 6.3     | 5.9  | 5.7 | 5.2 | 4.6 |
| 128                                                                                        |                                                                                     | 5.8     | 5.6  | 5.4 | 5.0 | 4.4 |
| 136                                                                                        |                                                                                     | 5.4     | 5.1  | 5.1 | 4.7 | 4.4 |
| 144                                                                                        |                                                                                     | 4.9     | 4.9  | 5.1 | 4.6 | 4.4 |
| 152                                                                                        |                                                                                     | 4.3     | 4.6  | 2.6 | 4.4 | -   |
| 160                                                                                        |                                                                                     | 3.6     | 3.9  | -   | 4.0 | -   |

|  39.4 ft |                                                                                      |         |      |     |     |     |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|------|-----|-----|-----|
|         |  | 26.3 ft |      |     |     |     |
|                                                                                            |                                                                                      | 0°      | 0°   | 0°  | 20° | 40° |
|                                                                                            |                                                                                      | 32.8 ft |      |     |     |     |
|                                                                                            |                                                                                      | 0°      | 20°  | 40° | 0°  | 0°  |
| 1,000 lb                                                                                   |                                                                                      |         |      |     |     |     |
| ft                                                                                         |                                                                                      |         |      |     |     |     |
| 14                                                                                         |                                                                                      | 17.9    | -    | -   | -   | -   |
| 16                                                                                         |                                                                                      | 17.9    | -    | -   | -   | -   |
| 18                                                                                         |                                                                                      | 17.8    | -    | -   | -   | -   |
| 20                                                                                         |                                                                                      | 17.6    | -    | -   | -   | -   |
| 24                                                                                         |                                                                                      | 16.8    | -    | -   | -   | -   |
| 28                                                                                         |                                                                                      | 16.0    | -    | -   | -   | -   |
| 32                                                                                         |                                                                                      | 15.2    | -    | -   | -   | -   |
| 36                                                                                         |                                                                                      | 14.2    | -    | -   | -   | -   |
| 40                                                                                         |                                                                                      | 13.3    | 12.0 | -   | -   | -   |
| 48                                                                                         |                                                                                      | 11.7    | 10.5 | -   | 9.6 | -   |
| 56                                                                                         |                                                                                      | 10.2    | 9.4  | 8.7 | 8.6 | -   |
| 64                                                                                         |                                                                                      | 9.0     | 8.4  | 7.9 | 7.7 | -   |
| 72                                                                                         |                                                                                      | 8.2     | 7.5  | 7.1 | 7.1 | -   |
| 80                                                                                         |                                                                                      | 7.4     | 6.7  | 6.5 | 6.3 | 5.6 |
| 88                                                                                         |                                                                                      | 6.6     | 6.2  | 6.1 | 5.8 | 5.2 |
| 96                                                                                         |                                                                                      | 5.9     | 5.7  | 5.7 | 5.2 | 4.9 |
| 104                                                                                        |                                                                                      | 5.4     | 5.3  | -   | 4.9 | 4.7 |
| 112                                                                                        |                                                                                      | 4.8     | -    | -   | -   | -   |

 \*161.1 ft    \*\*137.5 ft

| 19,000 lb                                                                                  |     | 26.6 ft x 23.6 ft |      | 360°                                                                                       |     | 85%      |   |
|--------------------------------------------------------------------------------------------|-----|-------------------|------|--------------------------------------------------------------------------------------------|-----|----------|---|
|  164.4 ft |     |                   |      |  148.6 ft |     |          |   |
|                                                                                            |     | 26.3 ft           |      | 26.3 ft                                                                                    |     |          |   |
|                                                                                            |     | 0°                | 0°   | 0°                                                                                         | 20° | 40°      |   |
|                                                                                            |     | 32.8 ft           |      | 32.8 ft                                                                                    |     |          |   |
|                                                                                            |     | 0°                | 20°* | 40°*                                                                                       | 0°  | 0°       |   |
| ft                                                                                         |     | 1,000 lb          |      | ft                                                                                         |     | 1,000 lb |   |
| 56                                                                                         | 5.5 | -                 | -    | -                                                                                          | -   | -        | - |
| 64                                                                                         | 5.5 | -                 | -    | -                                                                                          | -   | -        | - |
| 72                                                                                         | 5.5 | -                 | -    | -                                                                                          | -   | -        | - |
| 80                                                                                         | 5.0 | 5.7               | -    | -                                                                                          | -   | -        | - |
| 88                                                                                         | 3.3 | 5.6               | -    | -                                                                                          | -   | -        | - |
| 96                                                                                         | 2.0 | 4.6               | -    | -                                                                                          | -   | -        | - |
| 104                                                                                        | -   | 3.3               | 4.9  | -                                                                                          | -   | -        | - |
| 112                                                                                        | -   | -                 | 3.7  | -                                                                                          | -   | -        | - |
| 120                                                                                        | -   | -                 | 2.6  | -                                                                                          | -   | -        | - |

|                                                                                           |      |          |     |                                                                                           |     |          |   |
|-------------------------------------------------------------------------------------------|------|----------|-----|-------------------------------------------------------------------------------------------|-----|----------|---|
|  95.5 ft |      |          |     |  39.4 ft |     |          |   |
|                                                                                           |      | 26.3 ft  |     | 26.3 ft                                                                                   |     |          |   |
|                                                                                           |      | 0°       | 0°  | 0°                                                                                        | 20° | 40°      |   |
|                                                                                           |      | 32.8 ft  |     | 32.8 ft                                                                                   |     |          |   |
|                                                                                           |      | 0°       | 20° | 40°                                                                                       | 0°  | 0°       |   |
| ft                                                                                        |      | 1,000 lb |     | ft                                                                                        |     | 1,000 lb |   |
| 28                                                                                        | 13.4 | -        | -   | -                                                                                         | -   | -        | - |
| 32                                                                                        | 13.4 | -        | -   | -                                                                                         | -   | -        | - |
| 36                                                                                        | 13.2 | -        | -   | -                                                                                         | -   | -        | - |
| 40                                                                                        | 12.9 | -        | -   | -                                                                                         | -   | -        | - |
| 48                                                                                        | 12.1 | -        | -   | -                                                                                         | -   | -        | - |
| 56                                                                                        | 11.3 | 10.0     | -   | -                                                                                         | -   | -        | - |
| 64                                                                                        | 10.5 | 9.2      | -   | 8.3                                                                                       | -   | -        | - |
| 72                                                                                        | 9.9  | 8.6      | 7.7 | 7.7                                                                                       | -   | -        | - |
| 80                                                                                        | 9.1  | 8.1      | 7.2 | 7.2                                                                                       | -   | -        | - |
| 88                                                                                        | 8.2  | 7.5      | 6.9 | 6.7                                                                                       | 5.6 | -        | - |
| 96                                                                                        | 7.3  | 7.0      | 6.5 | 6.3                                                                                       | 5.2 | -        | - |
| 104                                                                                       | 6.1  | 6.5      | 6.2 | 6.0                                                                                       | 4.9 | -        | - |
| 112                                                                                       | 5.0  | 5.9      | 5.9 | 5.5                                                                                       | 4.8 | -        | - |
| 120                                                                                       | 4.0  | 5.0      | 5.4 | 5.1                                                                                       | 4.6 | -        | - |
| 128                                                                                       | 3.1  | 4.0      | 4.6 | 4.2                                                                                       | 4.3 | -        | - |
| 136                                                                                       | 2.3  | 3.0      | 3.5 | 3.3                                                                                       | 3.5 | -        | - |
| 144                                                                                       | 1.6  | 2.2      | 2.7 | 2.5                                                                                       | 2.5 | -        | - |

|                                                                                               |  |                                                                                                |  |
|-----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|
|  *161.1 ft |  |  **137.5 ft |  |
|-----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|

| 13,400 lb                                                                         |                                                                                   | 26.6 ft x 23.6 ft |      | 360° |     | 85 % |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|------|------|-----|------|--|
| 164.4 ft                                                                          |                                                                                   |                   |      |      |     |      |  |
|  |  | 26.3 ft           |      |      |     |      |  |
|                                                                                   |                                                                                   | 0°                | 0°   | 0°   | 20° | 40°  |  |
|                                                                                   |                                                                                   | 32.8 ft           |      |      |     |      |  |
|                                                                                   |                                                                                   | 0°                | 20°* | 40°* | 0°  | 0°   |  |
| ft                                                                                |                                                                                   | 1,000 lb          |      |      |     |      |  |
| 56                                                                                |                                                                                   | 5.5               | -    | -    | -   | -    |  |
| 64                                                                                |                                                                                   | 5.5               | -    | -    | -   | -    |  |
| 72                                                                                |                                                                                   | 5.1               | -    | -    | -   | -    |  |
| 80                                                                                |                                                                                   | 3.3               | 5.6  | -    | -   | -    |  |
| 88                                                                                |                                                                                   | -                 | 4.5  | -    | -   | -    |  |
| 96                                                                                |                                                                                   | -                 | 3.1  | -    | -   | -    |  |
| 104                                                                               |                                                                                   | -                 | 1.9  | 3.7  | -   | -    |  |
| 112                                                                               |                                                                                   | -                 | -    | 2.6  | -   | -    |  |

| 148.6 ft                                                                          |                                                                                   |          |     |     |     |      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----|-----|-----|------|--|
|  |  | 26.3 ft  |     |     |     |      |  |
|                                                                                   |                                                                                   | 0°       | 0°  | 0°  | 20° | 40°  |  |
|                                                                                   |                                                                                   | 32.8 ft  |     |     |     |      |  |
|                                                                                   |                                                                                   | 0°       | 20° | 40° | 0°  | 0°** |  |
| ft                                                                                |                                                                                   | 1,000 lb |     |     |     |      |  |
| 48                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |  |
| 56                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |  |
| 64                                                                                |                                                                                   | 6.8      | -   | -   | -   | -    |  |
| 72                                                                                |                                                                                   | 6.6      | -   | -   | -   | -    |  |
| 80                                                                                |                                                                                   | 4.8      | 6.6 | -   | -   | -    |  |
| 88                                                                                |                                                                                   | 3.3      | 5.6 | -   | 5.6 | -    |  |
| 96                                                                                |                                                                                   | 2.1      | 4.2 | 5.6 | 4.4 | -    |  |
| 104                                                                               |                                                                                   | -        | 2.8 | 4.6 | 3.0 | 4.9  |  |
| 112                                                                               |                                                                                   | -        | -   | 3.2 | -   | 4.3  |  |
| 120                                                                               |                                                                                   | -        | -   | 2.2 | -   | 3.1  |  |
| 128                                                                               |                                                                                   | -        | -   | -   | -   | 2.0  |  |

| 95.5 ft                                                                             |                                                                                   |          |      |     |     |     |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|-----|-----|-----|--|
|  |  | 26.3 ft  |      |     |     |     |  |
|                                                                                     |                                                                                   | 0°       | 0°   | 0°  | 20° | 40° |  |
|                                                                                     |                                                                                   | 32.8 ft  |      |     |     |     |  |
|                                                                                     |                                                                                   | 0°       | 20°  | 40° | 0°  | 0°  |  |
| ft                                                                                  |                                                                                   | 1,000 lb |      |     |     |     |  |
| 28                                                                                  |                                                                                   | 13.4     | -    | -   | -   | -   |  |
| 32                                                                                  |                                                                                   | 13.4     | -    | -   | -   | -   |  |
| 36                                                                                  |                                                                                   | 13.2     | -    | -   | -   | -   |  |
| 40                                                                                  |                                                                                   | 12.9     | -    | -   | -   | -   |  |
| 48                                                                                  |                                                                                   | 12.1     | -    | -   | -   | -   |  |
| 56                                                                                  |                                                                                   | 11.3     | 10.0 | -   | -   | -   |  |
| 64                                                                                  |                                                                                   | 10.5     | 9.2  | -   | 8.3 | -   |  |
| 72                                                                                  |                                                                                   | 9.9      | 8.6  | 7.7 | 7.7 | -   |  |
| 80                                                                                  |                                                                                   | 8.8      | 8.1  | 7.2 | 7.2 | -   |  |
| 88                                                                                  |                                                                                   | 7.7      | 7.5  | 6.9 | 6.7 | 5.6 |  |
| 96                                                                                  |                                                                                   | 6.4      | 6.9  | 6.5 | 6.3 | 5.2 |  |
| 104                                                                                 |                                                                                   | 5.0      | 6.2  | 6.0 | 5.8 | 4.9 |  |
| 112                                                                                 |                                                                                   | 3.9      | 5.0  | 5.7 | 5.2 | 4.8 |  |
| 120                                                                                 |                                                                                   | 2.9      | 3.9  | 4.8 | 4.2 | 4.5 |  |
| 128                                                                                 |                                                                                   | 2.2      | 3.0  | 3.7 | 3.2 | 3.7 |  |
| 136                                                                                 |                                                                                   | -        | 2.2  | 2.7 | 2.4 | 2.7 |  |
| 144                                                                                 |                                                                                   | -        | -    | 1.8 | 1.6 | 1.8 |  |

| 39.4 ft                                                                             |                                                                                   |          |      |     |     |     |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|------|-----|-----|-----|--|
|  |  | 26.3 ft  |      |     |     |     |  |
|                                                                                     |                                                                                   | 0°       | 0°   | 0°  | 20° | 40° |  |
|                                                                                     |                                                                                   | 32.8 ft  |      |     |     |     |  |
|                                                                                     |                                                                                   | 0°       | 20°  | 40° | 0°  | 0°  |  |
| ft                                                                                  |                                                                                   | 1,000 lb |      |     |     |     |  |
| 14                                                                                  |                                                                                   | 17.9     | -    | -   | -   | -   |  |
| 16                                                                                  |                                                                                   | 17.9     | -    | -   | -   | -   |  |
| 18                                                                                  |                                                                                   | 17.8     | -    | -   | -   | -   |  |
| 20                                                                                  |                                                                                   | 17.6     | -    | -   | -   | -   |  |
| 24                                                                                  |                                                                                   | 16.8     | -    | -   | -   | -   |  |
| 28                                                                                  |                                                                                   | 16.0     | -    | -   | -   | -   |  |
| 32                                                                                  |                                                                                   | 15.2     | -    | -   | -   | -   |  |
| 36                                                                                  |                                                                                   | 14.2     | -    | -   | -   | -   |  |
| 40                                                                                  |                                                                                   | 13.3     | 12.0 | -   | -   | -   |  |
| 48                                                                                  |                                                                                   | 11.7     | 10.5 | -   | 9.6 | -   |  |
| 56                                                                                  |                                                                                   | 10.2     | 9.4  | 8.7 | 8.6 | -   |  |
| 64                                                                                  |                                                                                   | 9.0      | 8.4  | 7.9 | 7.7 | -   |  |
| 72                                                                                  |                                                                                   | 8.2      | 7.5  | 7.1 | 7.1 | -   |  |
| 80                                                                                  |                                                                                   | 7.4      | 6.7  | 6.5 | 6.3 | 5.6 |  |
| 88                                                                                  |                                                                                   | 6.6      | 6.2  | 6.1 | 5.8 | 5.2 |  |
| 96                                                                                  |                                                                                   | 5.9      | 5.7  | 5.7 | 5.2 | 4.9 |  |
| 104                                                                                 |                                                                                   | 5.4      | 5.3  | -   | 4.9 | 4.7 |  |
| 112                                                                                 |                                                                                   | 4.8      | -    | -   | -   | -   |  |

 \*161.1 ft    \*\*137.5 ft

|  <b>9,500 lb</b>                                                                   |  |          |      |      |     |  <b>26.6 ft x 23.6 ft</b> |  |  |  |  |  | <b>360°</b>                                                                                                                                                         |  |          |     |     |     | <b>85 %</b> |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|------|-----|------------------------------------------------------------------------------------------------------------|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|-----|-----|-----|-------------|--|--|--|--|--|
|  <b>164.4 ft</b>                                                                   |  |          |      |      |     |                                                                                                            |  |  |  |  |  |  <b>148.6 ft</b>                                                                   |  |          |     |     |     |             |  |  |  |  |  |
|   |  | 26.3 ft  |      |      |     |                                                                                                            |  |  |  |  |  |   |  | 26.3 ft  |     |     |     |             |  |  |  |  |  |
|                                                                                                                                                                     |  | 0°       | 0°   | 0°   | 20° | 40°                                                                                                        |  |  |  |  |  |                                                                                                                                                                     |  | 0°       | 0°  | 0°  | 20° | 40°         |  |  |  |  |  |
|   |  | 32.8 ft  |      |      |     |                                                                                                            |  |  |  |  |  |   |  | 32.8 ft  |     |     |     |             |  |  |  |  |  |
|                                                                                                                                                                     |  | 0°       | 20°* | 40°* | 0°  | 0°                                                                                                         |  |  |  |  |  |                                                                                                                                                                     |  | 0°       | 20° | 40° | 0°  | 0°**        |  |  |  |  |  |
| ft                                                                                                                                                                  |  | 1,000 lb |      |      |     |                                                                                                            |  |  |  |  |  | ft                                                                                                                                                                  |  | 1,000 lb |     |     |     |             |  |  |  |  |  |
| 56                                                                                                                                                                  |  | 5.5      | -    | -    | -   | -                                                                                                          |  |  |  |  |  | 48                                                                                                                                                                  |  | 6.8      | -   | -   | -   | -           |  |  |  |  |  |
| 64                                                                                                                                                                  |  | 5.3      | -    | -    | -   | -                                                                                                          |  |  |  |  |  | 56                                                                                                                                                                  |  | 6.8      | -   | -   | -   | -           |  |  |  |  |  |
| 72                                                                                                                                                                  |  | 3.8      | -    | -    | -   | -                                                                                                          |  |  |  |  |  | 64                                                                                                                                                                  |  | 6.6      | -   | -   | -   | -           |  |  |  |  |  |
| 80                                                                                                                                                                  |  | -        | 5.2  | -    | -   | -                                                                                                          |  |  |  |  |  | 72                                                                                                                                                                  |  | 5.3      | -   | -   | -   | -           |  |  |  |  |  |
| 88                                                                                                                                                                  |  | -        | 3.4  | -    | -   | -                                                                                                          |  |  |  |  |  | 80                                                                                                                                                                  |  | 3.5      | 6.3 | -   | -   | -           |  |  |  |  |  |
| 96                                                                                                                                                                  |  | -        | 2.1  | -    | -   | -                                                                                                          |  |  |  |  |  | 88                                                                                                                                                                  |  | 2.2      | 4.5 | -   | 4.7 | -           |  |  |  |  |  |
| 104                                                                                                                                                                 |  | -        | -    | 2.8  | -   | -                                                                                                          |  |  |  |  |  | 96                                                                                                                                                                  |  | -        | 3.1 | 5.0 | 3.3 | -           |  |  |  |  |  |
|                                                                                                                                                                     |  |          |      |      |     |                                                                                                            |  |  |  |  |  | 104                                                                                                                                                                 |  | -        | 1.9 | 3.7 | 1.9 | 4.7         |  |  |  |  |  |
|                                                                                                                                                                     |  |          |      |      |     |                                                                                                            |  |  |  |  |  | 112                                                                                                                                                                 |  | -        | -   | 2.4 | -   | 3.5         |  |  |  |  |  |
|                                                                                                                                                                     |  |          |      |      |     |                                                                                                            |  |  |  |  |  | 120                                                                                                                                                                 |  | -        | -   | -   | -   | 2.2         |  |  |  |  |  |

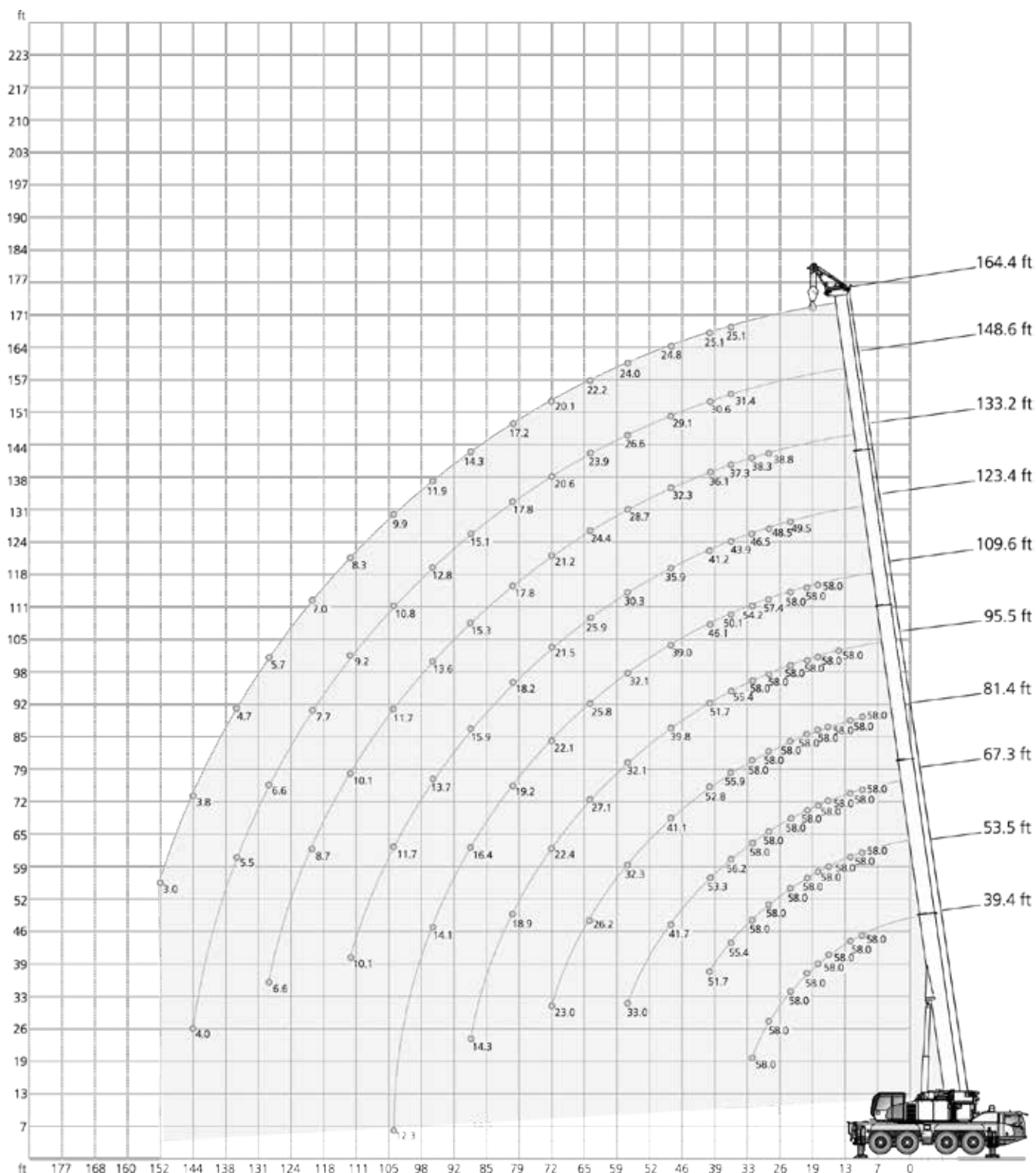
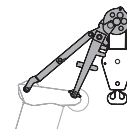
|  95.5 ft |  |                                                                                            |      |     |     |     |
|-------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|------|-----|-----|-----|
|                                                                                           |  |  26.3 ft  |      |     |     |     |
|                                                                                           |  | 0°                                                                                         | 0°   | 0°  | 20° | 40° |
|                                                                                           |  |  32.8 ft |      |     |     |     |
|                                                                                           |  | 0°                                                                                         | 20°  | 40° | 0°  | 0°  |
| ft                                                                                        |  | 1,000 lb                                                                                   |      |     |     |     |
| 28                                                                                        |  | 13.4                                                                                       | -    | -   | -   | -   |
| 32                                                                                        |  | 13.4                                                                                       | -    | -   | -   | -   |
| 36                                                                                        |  | 13.2                                                                                       | -    | -   | -   | -   |
| 40                                                                                        |  | 12.9                                                                                       | -    | -   | -   | -   |
| 48                                                                                        |  | 12.1                                                                                       | -    | -   | -   | -   |
| 56                                                                                        |  | 11.3                                                                                       | 10.0 | -   | -   | -   |
| 64                                                                                        |  | 10.5                                                                                       | 9.2  | -   | 8.3 | -   |
| 72                                                                                        |  | 9.5                                                                                        | 8.6  | 7.7 | 7.7 | -   |
| 80                                                                                        |  | 8.3                                                                                        | 8.1  | 7.2 | 7.2 | -   |
| 88                                                                                        |  | 6.7                                                                                        | 7.3  | 6.9 | 6.7 | 5.6 |
| 96                                                                                        |  | 5.3                                                                                        | 6.6  | 6.5 | 6.3 | 5.2 |
| 104                                                                                       |  | 4.1                                                                                        | 5.5  | 6.0 | 5.6 | 4.9 |
| 112                                                                                       |  | 3.0                                                                                        | 4.3  | 5.2 | 4.6 | 4.8 |
| 120                                                                                       |  | 2.2                                                                                        | 3.3  | 3.9 | 3.5 | 4.2 |
| 128                                                                                       |  | -                                                                                          | 2.3  | 3.0 | 2.5 | 3.1 |
| 136                                                                                       |  | -                                                                                          | -    | 2.2 | 1.7 | 2.0 |

|  <b>39.4 ft</b> |                                                                                                   |      |     |     |     |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------|-----|-----|-----|
|                 |  <b>26.3 ft</b> |      |     |     |     |
|                                                                                                  | 0°                                                                                                | 0°   | 0°  | 20° | 40° |
|                                                                                                  | <b>32.8 ft</b>                                                                                    |      |     |     |     |
|                                                                                                  | 0°                                                                                                | 20°  | 40° | 0°  | 0°  |
| <b>ft</b>                                                                                        | <b>1,000 lb</b>                                                                                   |      |     |     |     |
| 14                                                                                               | 17.9                                                                                              | -    | -   | -   | -   |
| 16                                                                                               | 17.9                                                                                              | -    | -   | -   | -   |
| 18                                                                                               | 17.8                                                                                              | -    | -   | -   | -   |
| 20                                                                                               | 17.6                                                                                              | -    | -   | -   | -   |
| 24                                                                                               | 16.8                                                                                              | -    | -   | -   | -   |
| 28                                                                                               | 16.0                                                                                              | -    | -   | -   | -   |
| 32                                                                                               | 15.2                                                                                              | -    | -   | -   | -   |
| 36                                                                                               | 14.2                                                                                              | -    | -   | -   | -   |
| 40                                                                                               | 13.3                                                                                              | 12.0 | -   | -   | -   |
| 48                                                                                               | 11.7                                                                                              | 10.5 | -   | 9.6 | -   |
| 56                                                                                               | 10.2                                                                                              | 9.4  | 8.7 | 8.6 | -   |
| 64                                                                                               | 9.0                                                                                               | 8.4  | 7.9 | 7.7 | -   |
| 72                                                                                               | 8.2                                                                                               | 7.5  | 7.1 | 7.1 | -   |
| 80                                                                                               | 7.4                                                                                               | 6.7  | 6.5 | 6.3 | 5.6 |
| 88                                                                                               | 6.6                                                                                               | 6.2  | 6.1 | 5.8 | 5.2 |
| 96                                                                                               | 5.9                                                                                               | 5.7  | 5.7 | 5.2 | 4.9 |
| 104                                                                                              | 5.4                                                                                               | 5.3  | -   | 4.9 | 4.7 |
| 112                                                                                              | 4.8                                                                                               | -    | -   | -   | -   |



\* 161.1 ft      \*\* 137.5 ft





|  54,000 lb |                                                                                   |  26.6 ft x 23.6 ft |      | 360° |      | 85%          |       |       |       |       |       |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|------|--------------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
|            |  | 39.4                                                                                                | 53.5 | 67.3 | 81.4 | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  |
| ft                                                                                          | 1,000 lb                                                                          |                                                                                                     |      |      |      |              |       |       |       |       |       | ft                                                                                  |
| 10                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 10                                                                                  |
| 12                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 12                                                                                  |
| 14                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 14                                                                                  |
| 16                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 16                                                                                  |
| 18                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 18                                                                                  |
| 20                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 20                                                                                  |
| 24                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | 49.5  | -     | -     | -     | 24                                                                                  |
| 28                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 57.4  | 48.5  | 38.8  | -     | -     | 28                                                                                  |
| 32                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 54.2  | 46.5  | 38.3  | -     | -     | 32                                                                                  |
| 36                                                                                          | -                                                                                 | 55.4                                                                                                | 56.2 | 55.9 | 55.4 | 50.1         | 43.9  | 37.3  | 31.4  | 25.1  | 36    | 36                                                                                  |
| 40                                                                                          | -                                                                                 | 51.7                                                                                                | 53.3 | 52.8 | 51.7 | 46.1         | 41.2  | 36.1  | 30.6  | 25.1  | 40    | 40                                                                                  |
| 48                                                                                          | -                                                                                 | -                                                                                                   | 41.7 | 41.1 | 39.8 | 39.0         | 35.9  | 32.3  | 29.1  | 24.8  | 48    | 48                                                                                  |
| 56                                                                                          | -                                                                                 | -                                                                                                   | 33.0 | 32.3 | 32.1 | 32.1         | 30.3  | 28.7  | 26.6  | 24.0  | 56    | 56                                                                                  |
| 64                                                                                          | -                                                                                 | -                                                                                                   | 16.5 | 26.2 | 27.1 | 25.8         | 25.9  | 24.4  | 23.9  | 22.2  | 64    | 64                                                                                  |
| 72                                                                                          | -                                                                                 | -                                                                                                   | -    | 23.0 | 22.4 | 22.1         | 21.5  | 21.2  | 20.6  | 20.1  | 72    | 72                                                                                  |
| 80                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | 18.9 | 19.2         | 18.2  | 17.8  | 17.8  | 17.2  | 80    | 80                                                                                  |
| 88                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | 14.3 | 16.4         | 15.9  | 15.3  | 15.1  | 14.3  | 88    | 88                                                                                  |
| 96                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | -    | 14.1         | 13.7  | 13.6  | 12.8  | 11.9  | 96    | 96                                                                                  |
| 104                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | 12.3         | 11.7  | 11.7  | 10.8  | 9.9   | 104   | 104                                                                                 |
| 112                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | 10.1  | 10.1  | 9.2   | 8.3   | 112   | 112                                                                                 |
| 120                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | -     | 8.7   | 7.7   | 7.0   | 120   | 120                                                                                 |
| 128                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | -     | 6.6   | 6.6   | 5.7   | 128   | 128                                                                                 |
| 136                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | -     | -     | 5.5   | 4.7   | 136   | 136                                                                                 |
| 144                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | -     | -     | 4.0   | 3.8   | 144   | 144                                                                                 |
| 152                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | -     | -     | -     | 3.0   | 152   | 152                                                                                 |

|  42,500 lb |                                                                                        |  26.6 ft x 23.6 ft |      |      |              | 360°  |       |       |       |       | 85 %                                                                                   |  |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|--------------|-------|-------|-------|-------|-------|----------------------------------------------------------------------------------------|--|
|  ft        |  39.4 | 53.5                                                                                                | 67.3 | 81.4 | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  ft |  |
| 1,000 lb                                                                                    |                                                                                        |                                                                                                     |      |      |              |       |       |       |       |       |                                                                                        |  |
| 10                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 10                                                                                     |  |
| 12                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 12                                                                                     |  |
| 14                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 14                                                                                     |  |
| 16                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 16                                                                                     |  |
| 18                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 18                                                                                     |  |
| 20                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 20                                                                                     |  |
| 24                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | 58.0  | 49.5  | -     | -     | -     | 24                                                                                     |  |
| 28                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | 57.4  | 48.5  | 38.8  | -     | -     | 28                                                                                     |  |
| 32                                                                                          | 58.0                                                                                   | 58.0                                                                                                | 58.0 | 58.0 | 58.0         | 54.2  | 46.5  | 38.3  | -     | -     | 32                                                                                     |  |
| 36                                                                                          | -                                                                                      | 52.9                                                                                                | 53.7 | 53.5 | 52.7         | 49.9  | 43.9  | 37.3  | 31.4  | 25.1  | 36                                                                                     |  |
| 40                                                                                          | -                                                                                      | 47.7                                                                                                | 48.1 | 47.7 | 46.2         | 45.3  | 41.1  | 36.1  | 30.6  | 25.1  | 40                                                                                     |  |
| 48                                                                                          | -                                                                                      | -                                                                                                   | 36.3 | 35.8 | 35.7         | 35.4  | 33.8  | 32.0  | 29.1  | 24.8  | 48                                                                                     |  |
| 56                                                                                          | -                                                                                      | -                                                                                                   | 28.5 | 28.5 | 28.9         | 27.8  | 27.9  | 26.8  | 26.0  | 24.0  | 56                                                                                     |  |
| 64                                                                                          | -                                                                                      | -                                                                                                   | 16.5 | 23.9 | 23.3         | 23.5  | 22.7  | 22.1  | 21.9  | 21.2  | 64                                                                                     |  |
| 72                                                                                          | -                                                                                      | -                                                                                                   | -    | 19.7 | 19.7         | 19.3  | 18.8  | 19.0  | 18.2  | 17.3  | 72                                                                                     |  |
| 80                                                                                          | -                                                                                      | -                                                                                                   | -    | -    | 16.8         | 16.3  | 15.9  | 15.9  | 15.0  | 14.1  | 80                                                                                     |  |
| 88                                                                                          | -                                                                                      | -                                                                                                   | -    | -    | 13.1         | 13.8  | 13.3  | 13.4  | 12.4  | 11.6  | 88                                                                                     |  |
| 96                                                                                          | -                                                                                      | -                                                                                                   | -    | -    | -            | 11.8  | 11.2  | 11.2  | 10.3  | 9.5   | 96                                                                                     |  |
| 104                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | 10.1  | 9.5   | 9.5   | 8.6   | 7.7   | 104                                                                                    |  |
| 112                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | -     | 8.1   | 8.1   | 7.0   | 6.3   | 112                                                                                    |  |
| 120                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | -     | -     | 6.8   | 5.9   | 5.0   | 120                                                                                    |  |
| 128                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | -     | -     | 4.7   | 4.7   | 4.0   | 128                                                                                    |  |
| 136                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | -     | -     | -     | 3.9   | 3.0   | 136                                                                                    |  |
| 144                                                                                         | -                                                                                      | -                                                                                                   | -    | -    | -            | -     | -     | -     | 2.2   | 2.2   | 144                                                                                    |  |

|  19,000 lb |                                                                                          |  26.6 ft x 23.6 ft |      |      |              | 360°  |       |       |       |       | 85 %                                                                                     |  |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|--------------|-------|-------|-------|-------|-------|------------------------------------------------------------------------------------------|--|
|  ft        |  39.4 | 53.5                                                                                                  | 67.3 | 81.4 | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  ft |  |
| 1,000 lb                                                                                      |                                                                                          |                                                                                                       |      |      |              |       |       |       |       |       |                                                                                          |  |
| 10                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 10                                                                                       |  |
| 12                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 12                                                                                       |  |
| 14                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 14                                                                                       |  |
| 16                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 16                                                                                       |  |
| 18                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 18                                                                                       |  |
| 20                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 20                                                                                       |  |
| 24                                                                                            | 58.0                                                                                     | 58.0                                                                                                  | 58.0 | 58.0 | 58.0         | 57.6  | 49.5  | -     | -     | -     | 24                                                                                       |  |
| 28                                                                                            | 56.0                                                                                     | 57.5                                                                                                  | 57.9 | 57.0 | 55.4         | 52.8  | 47.5  | 38.8  | -     | -     | 28                                                                                       |  |
| 32                                                                                            | 47.1                                                                                     | 50.0                                                                                                  | 50.4 | 49.6 | 48.5         | 45.7  | 42.7  | 38.3  | -     | -     | 32                                                                                       |  |
| 36                                                                                            | -                                                                                        | 41.5                                                                                                  | 41.9 | 41.3 | 42.0         | 39.6  | 38.0  | 34.3  | 31.1  | 25.1  | 36                                                                                       |  |
| 40                                                                                            | -                                                                                        | 34.3                                                                                                  | 34.8 | 35.8 | 35.2         | 35.4  | 33.9  | 31.5  | 29.4  | 24.9  | 40                                                                                       |  |
| 48                                                                                            | -                                                                                        | -                                                                                                     | 26.5 | 26.7 | 26.9         | 26.3  | 25.8  | 25.7  | 23.7  | 21.8  | 48                                                                                       |  |
| 56                                                                                            | -                                                                                        | -                                                                                                     | 20.6 | 20.7 | 20.7         | 20.4  | 19.8  | 19.8  | 18.6  | 17.1  | 56                                                                                       |  |
| 64                                                                                            | -                                                                                        | -                                                                                                     | 16.1 | 16.6 | 16.6         | 16.2  | 15.5  | 15.5  | 14.6  | 13.1  | 64                                                                                       |  |
| 72                                                                                            | -                                                                                        | -                                                                                                     | -    | 13.3 | 13.3         | 12.9  | 12.2  | 12.2  | 11.3  | 10.0  | 72                                                                                       |  |
| 80                                                                                            | -                                                                                        | -                                                                                                     | -    | -    | 10.9         | 10.2  | 9.6   | 9.8   | 8.7   | 7.6   | 80                                                                                       |  |
| 88                                                                                            | -                                                                                        | -                                                                                                     | -    | -    | 8.8          | 8.3   | 7.6   | 7.7   | 6.7   | 5.8   | 88                                                                                       |  |
| 96                                                                                            | -                                                                                        | -                                                                                                     | -    | -    | -            | 6.7   | 6.0   | 6.0   | 5.1   | 4.2   | 96                                                                                       |  |
| 104                                                                                           | -                                                                                        | -                                                                                                     | -    | -    | -            | 5.2   | 4.6   | 4.8   | 3.7   | 3.0   | 104                                                                                      |  |
| 112                                                                                           | -                                                                                        | -                                                                                                     | -    | -    | -            | -     | 3.5   | 3.7   | 2.6   | -     | 112                                                                                      |  |
| 120                                                                                           | -                                                                                        | -                                                                                                     | -    | -    | -            | -     | -     | 2.7   | -     | -     | 120                                                                                      |  |

|  13,400 lb |                                                                                   |  26.6 ft x 23.6 ft |      |      |      | 360°         |       |       |       |       | 85 %  |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|------|------|--------------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|
|            |  | 39.4                                                                                                | 53.5 | 67.3 | 81.4 | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  |
| ft                                                                                          |                                                                                   |                                                                                                     |      |      |      | 1,000 lb     |       |       |       |       |       | ft                                                                                  |
| 10                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 10                                                                                  |
| 12                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 12                                                                                  |
| 14                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 14                                                                                  |
| 16                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 16                                                                                  |
| 18                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 18                                                                                  |
| 20                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 20                                                                                  |
| 24                                                                                          | 58.0                                                                              | 58.0                                                                                                | 58.0 | 58.0 | 58.0 | 57.6         | 56.1  | 49.4  | -     | -     | -     | 24                                                                                  |
| 28                                                                                          | 53.4                                                                              | 54.9                                                                                                | 55.3 | 54.4 | 52.7 | 49.6         | 45.1  | 38.8  | 31.0  | -     | -     | 28                                                                                  |
| 32                                                                                          | 42.9                                                                              | 45.8                                                                                                | 46.3 | 45.7 | 45.4 | 42.6         | 40.5  | 36.2  | 30.7  | -     | -     | 32                                                                                  |
| 36                                                                                          | -                                                                                 | 37.9                                                                                                | 38.4 | 38.8 | 38.5 | 37.5         | 35.7  | 33.4  | 29.5  | 25.1  | -     | 36                                                                                  |
| 40                                                                                          | -                                                                                 | 31.0                                                                                                | 32.6 | 32.8 | 32.8 | 32.1         | 30.7  | 30.1  | 27.4  | 24.7  | -     | 40                                                                                  |
| 48                                                                                          | -                                                                                 | -                                                                                                   | 24.1 | 24.2 | 24.3 | 23.9         | 23.3  | 23.0  | 20.9  | 19.0  | -     | 48                                                                                  |
| 56                                                                                          | -                                                                                 | -                                                                                                   | 18.5 | 18.8 | 18.8 | 18.3         | 17.7  | 17.7  | 16.1  | 14.5  | -     | 56                                                                                  |
| 64                                                                                          | -                                                                                 | -                                                                                                   | 14.6 | 14.6 | 14.8 | 14.2         | 13.5  | 13.7  | 12.4  | 10.8  | -     | 64                                                                                  |
| 72                                                                                          | -                                                                                 | -                                                                                                   | -    | 11.7 | 11.7 | 11.1         | 10.4  | 10.4  | 9.5   | 8.0   | -     | 72                                                                                  |
| 80                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | 9.4  | 8.7          | 8.1   | 8.3   | 7.2   | 6.1   | -     | 80                                                                                  |
| 88                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | 7.4  | 7.0          | 6.3   | 6.3   | 5.4   | 4.3   | -     | 88                                                                                  |
| 96                                                                                          | -                                                                                 | -                                                                                                   | -    | -    | -    | 5.3          | 4.8   | 4.8   | 3.8   | 3.0   | -     | 96                                                                                  |
| 104                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | 4.1          | 3.5   | 3.5   | 2.6   | 1.7   | -     | 104                                                                                 |
| 112                                                                                         | -                                                                                 | -                                                                                                   | -    | -    | -    | -            | 2.4   | 2.6   | -     | -     | -     | 112                                                                                 |

|  9,500 lb |                                                                                     |  26.6 ft x 23.6 ft |      | 360° |      |              |       |       |       |       |       | 85 %                                                                                  |  |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------|------|------|--------------|-------|-------|-------|-------|-------|---------------------------------------------------------------------------------------|--|
|          |  | 39.4                                                                                                 | 53.5 | 67.3 | 81.4 | (ft)<br>95.5 | 109.6 | 123.4 | 133.2 | 148.6 | 164.4 |  |  |
| ft                                                                                          |                                                                                     |                                                                                                      |      |      |      | 1,000 lb     |       |       |       |       |       | ft                                                                                    |  |
| 10                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 10                                                                                    |  |
| 12                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | -            | -     | -     | -     | -     | -     | 12                                                                                    |  |
| 14                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 14                                                                                    |  |
| 16                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | 58.0         | -     | -     | -     | -     | -     | 16                                                                                    |  |
| 18                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 18                                                                                    |  |
| 20                                                                                          | 58.0                                                                                | 58.0                                                                                                 | 58.0 | 58.0 | 58.0 | 58.0         | 58.0  | -     | -     | -     | -     | 20                                                                                    |  |
| 24                                                                                          | 57.8                                                                                | 58.0                                                                                                 | 58.0 | 57.5 | 56.7 | 54.9         | 48.2  | 38.0  | -     | -     | -     | 24                                                                                    |  |
| 28                                                                                          | 51.2                                                                                | 53.0                                                                                                 | 53.4 | 52.0 | 50.2 | 46.9         | 43.4  | 38.0  | 31.0  | -     | -     | 28                                                                                    |  |
| 32                                                                                          | 39.7                                                                                | 42.6                                                                                                 | 43.1 | 43.5 | 42.3 | 40.6         | 38.3  | 36.2  | 30.7  | -     | -     | 32                                                                                    |  |
| 36                                                                                          | -                                                                                   | 35.2                                                                                                 | 35.6 | 36.9 | 35.7 | 35.1         | 33.0  | 32.1  | 28.2  | 24.3  | -     | 36                                                                                    |  |
| 40                                                                                          | -                                                                                   | 28.9                                                                                                 | 30.2 | 30.4 | 30.4 | 30.0         | 28.1  | 27.4  | 25.0  | 22.9  | -     | 40                                                                                    |  |
| 48                                                                                          | -                                                                                   | -                                                                                                    | 22.2 | 22.6 | 22.7 | 22.0         | 21.2  | 20.9  | 18.7  | 16.9  | -     | 48                                                                                    |  |
| 56                                                                                          | -                                                                                   | -                                                                                                    | 17.0 | 17.1 | 17.2 | 16.5         | 16.0  | 16.0  | 14.2  | 12.7  | -     | 56                                                                                    |  |
| 64                                                                                          | -                                                                                   | -                                                                                                    | 13.2 | 13.3 | 13.3 | 12.6         | 12.2  | 12.2  | 10.8  | 9.3   | -     | 64                                                                                    |  |
| 72                                                                                          | -                                                                                   | -                                                                                                    | -    | 10.4 | 10.4 | 9.8          | 9.1   | 9.1   | 8.0   | 6.7   | -     | 72                                                                                    |  |
| 80                                                                                          | -                                                                                   | -                                                                                                    | -    | -    | 8.1  | 7.6          | 7.0   | 7.0   | 5.9   | 4.6   | -     | 80                                                                                    |  |
| 88                                                                                          | -                                                                                   | -                                                                                                    | -    | -    | 6.4  | 5.8          | 5.2   | 5.2   | 4.3   | 3.1   | -     | 88                                                                                    |  |
| 96                                                                                          | -                                                                                   | -                                                                                                    | -    | -    | -    | 4.4          | 3.7   | 3.9   | 2.8   | 1.9   | -     | 96                                                                                    |  |
| 104                                                                                         | -                                                                                   | -                                                                                                    | -    | -    | -    | 3.2          | 2.6   | 2.6   | 1.7   | -     | -     | 104                                                                                   |  |

### Basic machine

#### Equipment carrier

|                                         |                                                                                                                                                                                             |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 340-4</b>                     | MTU; Output 340 kW (462 HP) at 1700 1/min, torque 2200 Nm at 1300 1/min; The engine complies with Euromot 4/Tier 4F; Exhaust system complete stainless steel with SCR catalyser.            |
| <b>Fuel tank</b>                        | Fuel tank 108 gallons (no RME / biodiesel); 11 gallons AdBlue tank.                                                                                                                         |
| <b>Transmission AS12</b>                | ZF AS-Tronic; Automated gearbox, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock and switchable off-road gear.                                     |
| <b>Axles 8 x 4 x 8</b>                  | 8 x 4 x 8; Four axles, axles 1 and 4 are driven and equipped with selectable transverse lock; All axles steered.                                                                            |
| <b>Suspension</b>                       | Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.                                                                 |
| <b>Steering</b>                         | Dual circuit hydro servocom steering with emergency steering pump; Active rear axle steering (axles 3 and 4) with 6 different steering programs.                                            |
| <b>Brakes</b>                           | Pneumatic dual circuit service brake with antilock system, acting on all wheels; Disc brakes; Additional exhaust brake and constant throttle valve; Spring-loaded parking brake; Incl. ABS. |
| <b>Tires size 385/95 R25 (14.00R25)</b> | Tires size 385/95 R25 (14.00R25); Steel rims 9,50-25/1,7".                                                                                                                                  |
| <b>Cab 2550</b>                         | Type 8.4 ft; Adjustable driver seat, armrests and pneumatic suspension; Steering wheel height and tilt adjustable; Power door windows; Tinted glass; Radio preparation.                     |
| <b>Heating engine-dependent</b>         | Engine-dependent warm water heating with 12 kW heating power.                                                                                                                               |
| <b>Drive lights</b>                     | Including low beams, high beams, daytime running lights.                                                                                                                                    |
| <b>Outriggers</b>                       | H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively on both sides of carrier; 4 outrigger bases.                                |
| <b>Outrigger pads 028</b>               | 4 outrigger pads A = 0.92 ft <sup>2</sup> with transport position at vertical cylinder.                                                                                                     |
| <b>Outrigger basis monitoring</b>       | Individual monitoring of horizontal stroke; Deviation warning in 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>      | Pneumatic system adapter for inflating tires makes it possible for operators to inflate tires by themselves.                                                                                |
| <b>Contour safety marking</b>           | Continuous, yellow reflecting bands at carrier sides and tail.                                                                                                                              |

#### Equipment superstructure

|                                 |                                                                                                                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 129-4</b>             | MTU; Output 129 kW (175 HP) at 2200 1/min, torque 750 Nm at 1200 1/min; The engine complies with Euromot 4/Tier 4F; Exhaust system complete stainless steel with SCR catalyser.                           |
| <b>Fuel tank</b>                | Fuel tank 53 gallons Diesel (no RME/ Biodiesel); 6.6 gallons AdBlue tank.                                                                                                                                 |
| <b>Telescopic boom HA60</b>     | 39.4 - 194.9 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 114,900 lb.              |
| <b>Boom luffing</b>             | Single luffing cylinder with automatic lowering brake valve.                                                                                                                                              |
| <b>Rotary drive</b>             | Single slewing gear unit with spring-loaded multi-disc brake.                                                                                                                                             |
| <b>H1</b>                       | Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator).                                                                                                                           |
| <b>Counterweight 42,500 lb</b>  | 42,500 lb, 5 pieces (SPECIAL 4 pieces); Automatic rigging system.                                                                                                                                         |
| <b>Control system</b>           | Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks.                                                                                                              |
| <b>Operator aids</b>            | IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger. |
| <b>Hook height indication</b>   | Displaying and programmability of the hook height H1 by IC-1.                                                                                                                                             |
| <b>Cab 875</b>                  | Type 2.9 ft; Tilt variable 16°; Fold-out front window; Extendable side, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor; Radio preparation.                                           |
| <b>Heating engine-dependent</b> | Engine-dependent warm water heating with 5 kW heating power.                                                                                                                                              |
| <b>Anemometer</b>               | Removable, to be used with all extensions.                                                                                                                                                                |

## Additional equipment

### Carrier

|                           |                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 335-3</b>       | MTU; Output 335 kW (455 HP) at 1800 1/min, torque 2000 Nm at 1300 1/min; The engine complies with Euromot 3a / Tier 3; Exhaust system complete stainless steel with spark arrester. Fuel tank 108 gallons Diesel (no RME / biodiesel). |
| <b>Axles 8 x 6 x 8</b>    | 8 x 6 x 8; Four axles, axles 1, 3 and 4 are driven and equipped with selectable transverse lock; All axles steered.                                                                                                                    |
| <b>Eddy-current brake</b> | Eddy current brake to increase the braking power, especially when towing a trailer.                                                                                                                                                    |
| <b>Aircondition</b>       | Aircondition for carrier cab with 7 kW rated cooling power.                                                                                                                                                                            |

### Superstructure

|                                            |                                                                                                                                                                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 129-3</b>                        | MTU; Output 129 kW (175 HP) at 2200 1/min, torque 675 Nm at 1200 1/min; The engine complies with Euromot 3a / Tier 3; Exhaust system complete stainless steel with spark arrester. Fuel tank 58 gallons Diesel (no RME / biodiesel). |
| <b>Telescopic boom HA50</b>                | 39.4 - 164.4 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 114,900 lb.                                         |
| <b>Additional sheave on main boom head</b> | 1 additional sheave; For total 5 sheaves at boom head; Max. capacity 142,200 lb.                                                                                                                                                     |
| <b>Heavy lift attachment</b>               | 2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity 176,400 lb.                                                                                                                                  |
| <b>2. hoist (H2)</b>                       | 2. hoist; Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. quick couplings and transport rack; Self-rigging.                                                                                               |
| <b>Additional counterweight 11,500 lb</b>  | Additional counterweight 11,500 lb; 2 pieces; For total 54,000 lb, 7 pieces (SPECIAL 6 pieces).                                                                                                                                      |
| <b>Aircondition</b>                        | Aircondition in crane cab with 7 kW rated cooling power.                                                                                                                                                                             |

### Handling

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remote control</b>                  | Full control of rigging and crane movements via wireless remote control.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Working range limiter IC-1 Plus</b> | Displaying and programmability of the work range limits by IC-1. 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. |

### Extensions

|                    |                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HAV10</b>       | 32.8 ft; Swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage.                                                                                              |
| <b>HAV19</b>       | 62.3 ft; Double folding swing-away jib, manual offset 20°/40°; 1-sheave head; Incl. transport storage; Includes HAV 32.8 ft.                                                           |
| <b>HAV-VA18</b>    | 59.0 ft; Variable extension with swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV 32.8 ft.                                                |
| <b>HAV-VA27</b>    | 88.6 ft; Variable extension with double folding swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV 32.8 ft, HAV 62.3 ft and HAV-VA 59.0 ft. |
| <b>HAV-HY</b>      | Hydraulic, stepless offset 0°-40°, instead of the manual offset; Available for HAV 32.8 ft, HAV 62.3 ft, HAV-VA 59.0 ft and HAV-VA 88.6 ft.                                            |
| <b>MS (runner)</b> | 4.9 ft; Fixed assembly jib, 2-sheaves for max. capacity 58,700 lb; Incl. transport storage at boom head.                                                                               |

### Hook Blocks

|                                    |                                                                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hook block 100-7-18-D</b>       | 100-7-18-D (1,650 lb); Hook block with ramshorn hook; white with red signal stripes.                                                                      |
| <b>Hook block 80-5-18-D</b>        | 80-5-18-D (1,430 lb); Hook block with ramshorn hook; white with red signal stripes.                                                                       |
| <b>Hook block 50-3B-18-D-Vario</b> | 50-3B-18-D (1,210 lb); Hook block with adjustable ballast and ramshorn hook, variable usage as 1- and 3-sheave hook block; white with red signal stripes. |
| <b>Hook block 50-3-18-D</b>        | 50-3-18-D (1,210 lb); Hook block with ramshorn hook; white with red signal stripes.                                                                       |
| <b>Hook block 20-1-18-E</b>        | 20-1-18-E (662 lb); Hook block with single hook; white with red signal stripes.                                                                           |
| <b>Hook 8-0V-E-170</b>             | 8-0V-E (375 lb); Single hook with vertical swivel; red.                                                                                                   |

### Further additional equipment on request!

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

February 2019. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the corresponding Operator's Manual when using our equipment or to otherwise act responsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex, Demag and Above, Ahead, Always are trademarks of or licensed by Terex Corporation or its subsidiaries.

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