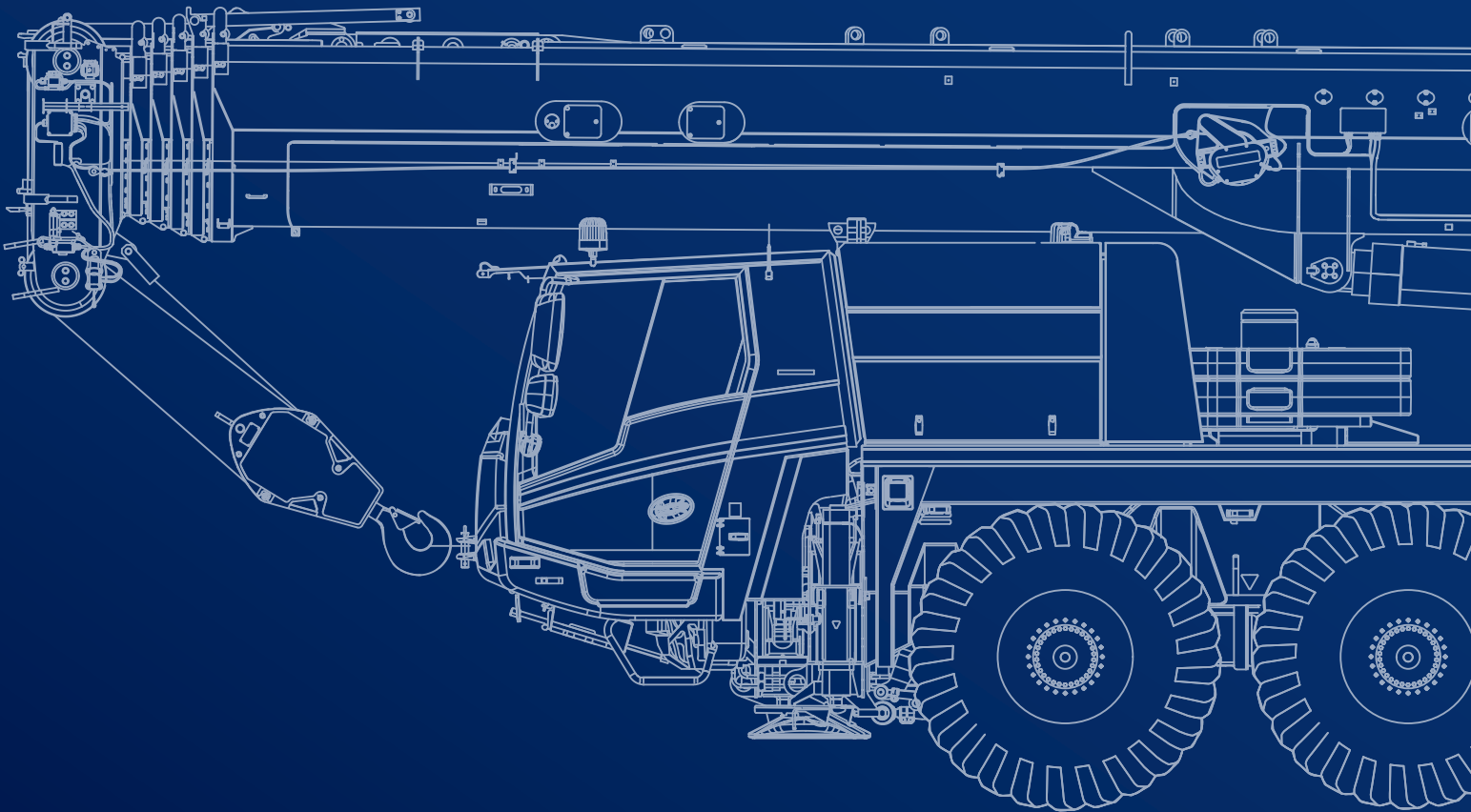


AC 4.070L-1

75 US TON MAX. CRANE CAPACITY



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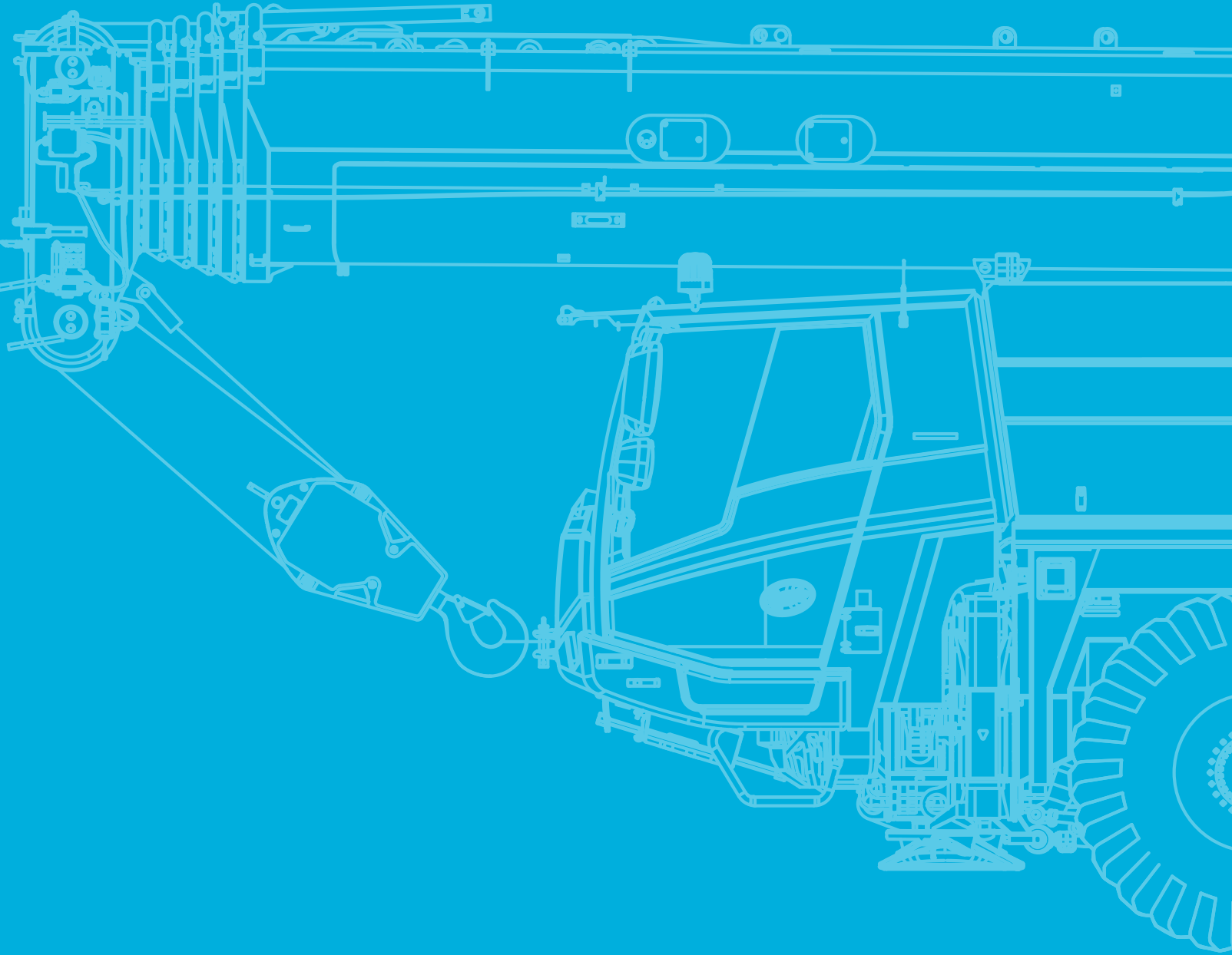
| | |
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Key



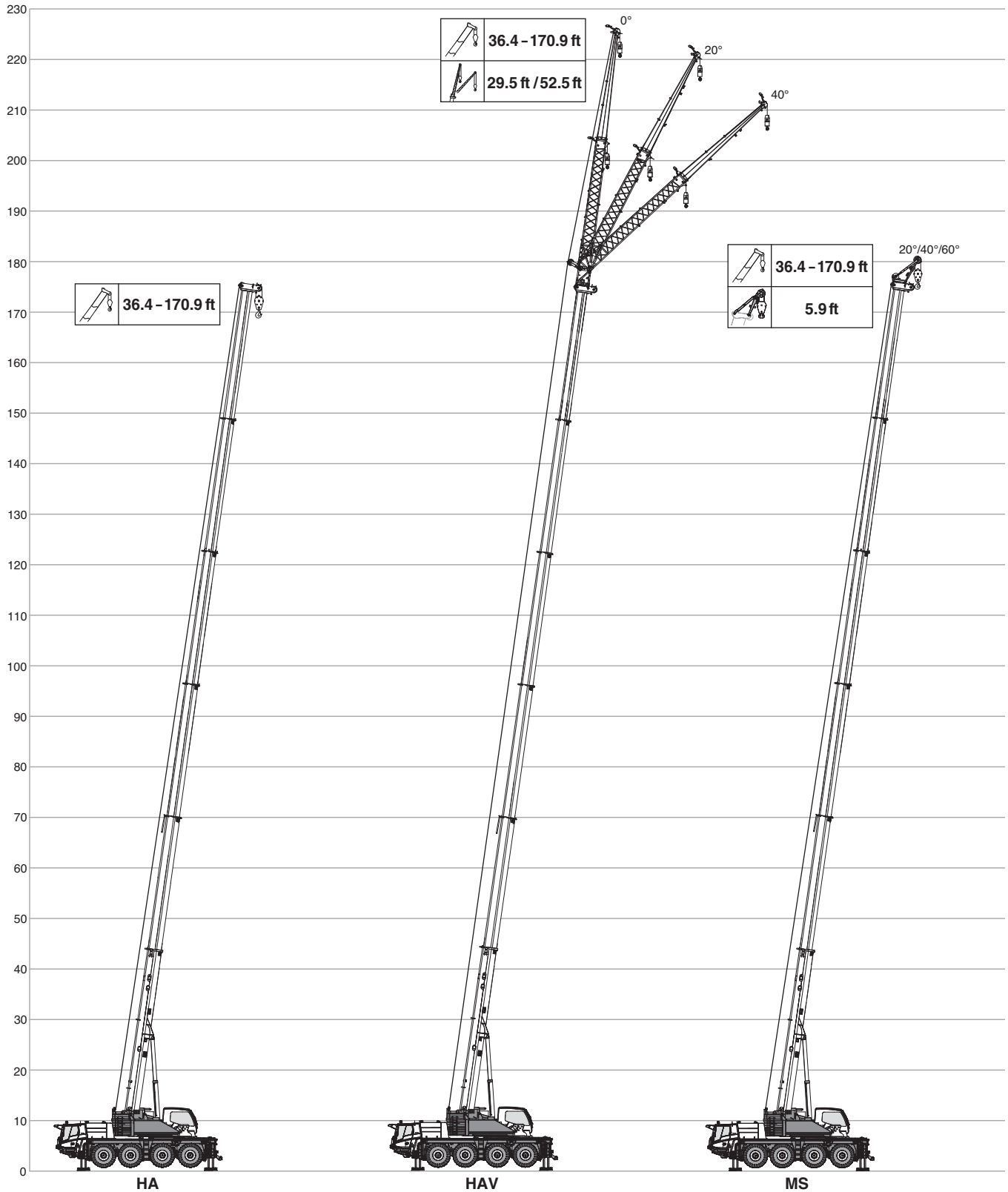
| | | | |
|---|---|---|---|
|  | Counterweight |  | Boom telescoping |
|  | Lifting capacities on outriggers · 360° |  | Boom elevation |
|  | Radius |  | Working speeds |
|  | Main boom |  | Slewing |
|  | Folding swing-away jib |  | Max. line pull |
|  | Runner |  | Rope diameter |
|  | Max. axle loads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

GENERAL TECHNICAL DATA

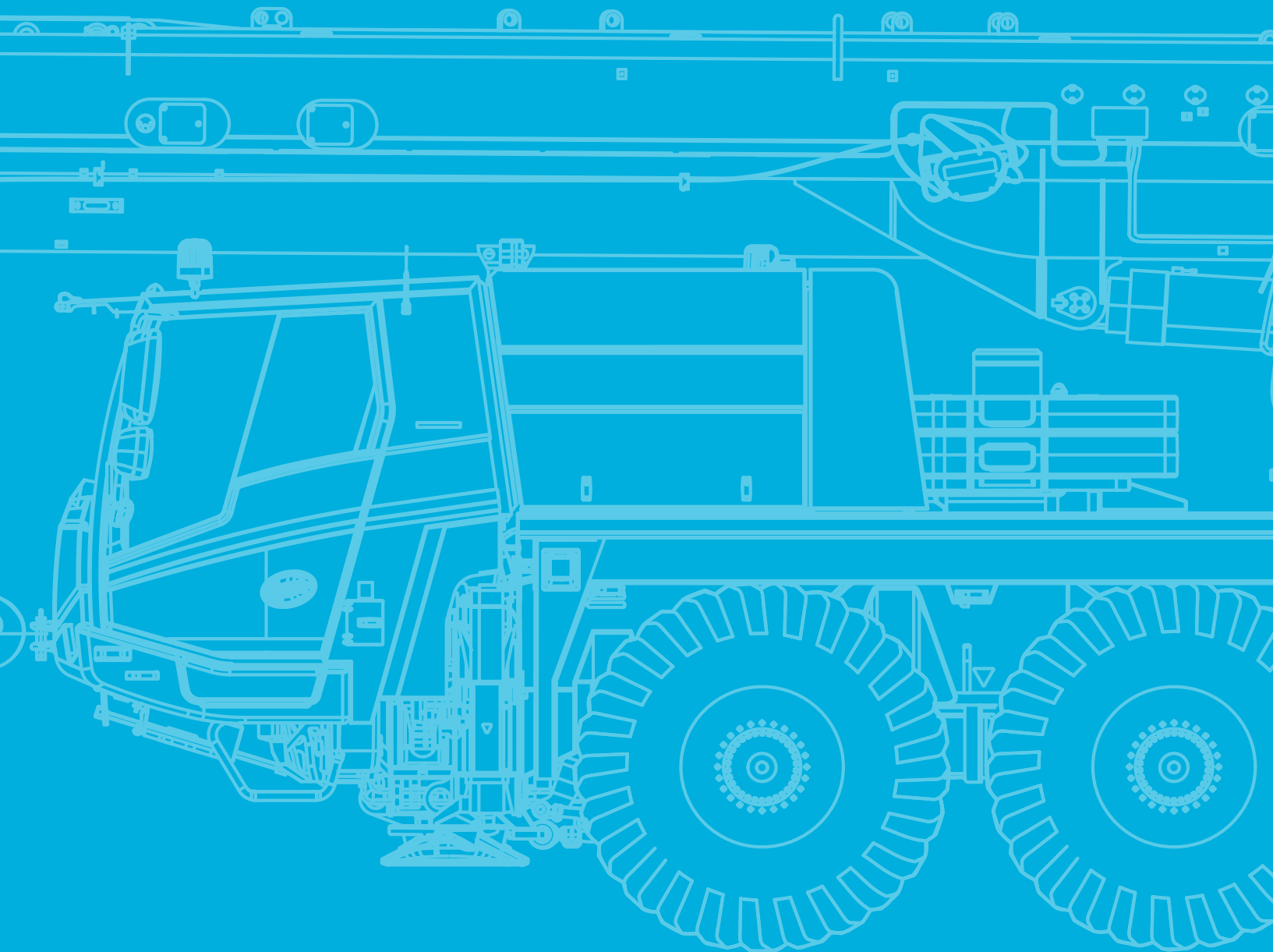


General







Boom combinations










TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING












On-road and off-road driving

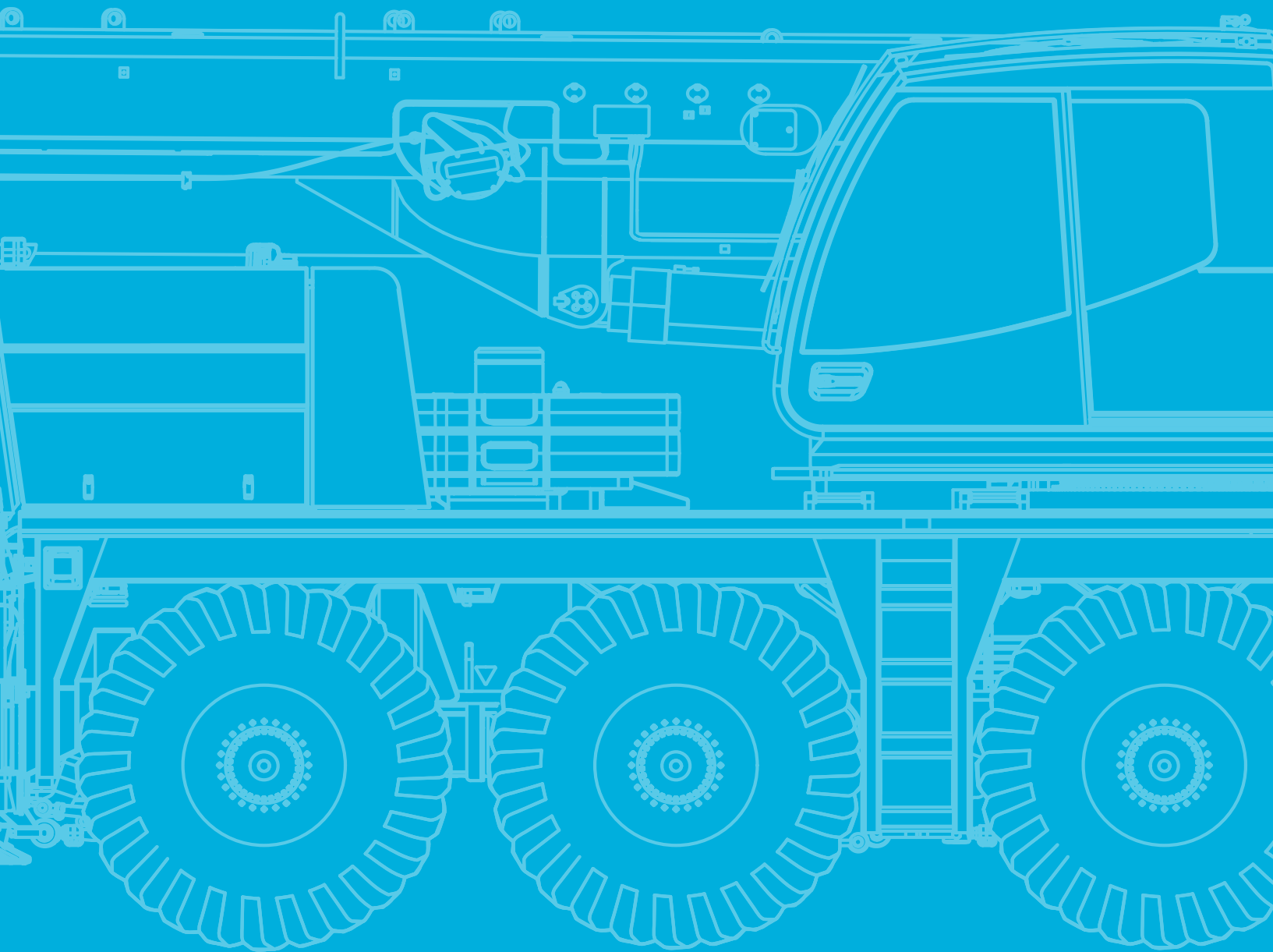
| Axle loads | | | | | | |
|---|---------------|---|---|--|---|---|
|  | Total |  |  |  |  |  |
| < 22,050 lbs | < 88,200 lbs | 8 x 6 | 445/95R25 | 13,200 lbs | 52.5 ft | 7,500 lbs |
| < 22,050 lbs | < 88,200 lbs | 8 x 6 | 445/95R25 | 70,500 lbs | – | 9,700 lbs |
| < 26,500 lbs | < 105,800 lbs | 8 x 6 | 445/95R25 | 70,500/13,200 lbs | 52.5 ft | 24,250 lbs |
| < 26,500 lbs | < 105,800 lbs | 8 x 6 | 445/95R25 | 70,500 lbs | – | 26,900 lbs |
| < 36,400 lbs | < 119,000 lbs | 8 x 6 | 445/95R25 | 70,500/13,200 lbs | 52.5 ft | 36,400 lbs |

| Speeds and gradeability | | | |
|---|---------------------------|---------------------------|---------------------------|
|  | 385/95 R 25 14.00 R 25 | 445/95 R 25 16.00 R 25 | 525/80 R 25 20.50 R 25 |
|  % | 33 % | 30 % | 30 % |
|  % | 74 % | 65 % | 65 % |
|   | 49.7 mph ¹⁾ | 52.8 mph ¹⁾ | 52.8 mph ¹⁾ |
|   | 29.2 mph ¹⁾ | 31.7 mph ¹⁾ | 31.7 mph ¹⁾ |

¹⁾ Depending on tire type, size and country specific legislation

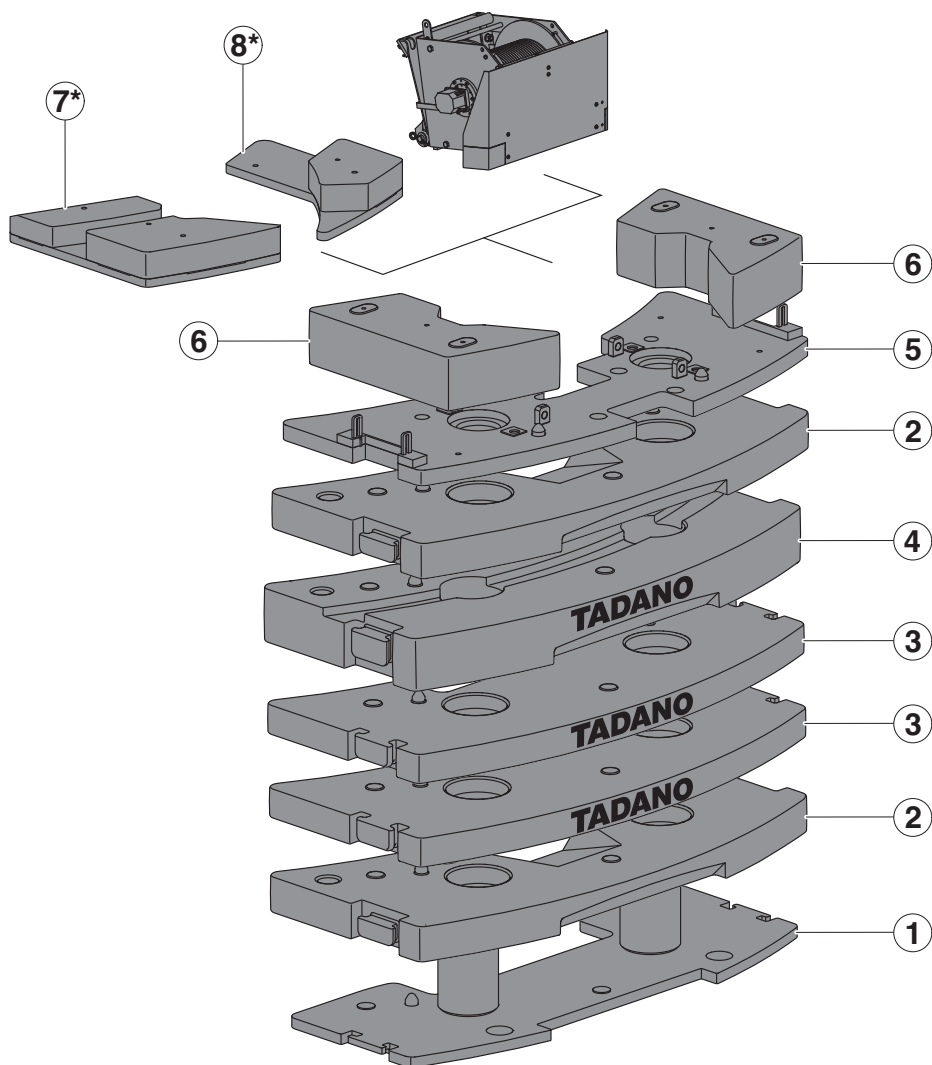
| Steering | |
|---|--|
|  |  v < 15.5 mph |
| |  15.5 mph ≤ v ≤ 24.9 mph |
| |  v > 24.9 mph |
|  |  Manually steered |
| |  Minimum turning radius |
| |  Crab steer mode |
| |  Rear veering suppression |

TECHNICAL DATA FOR TRANSPORT



Transportation

Counterweight



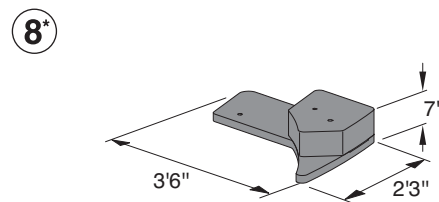
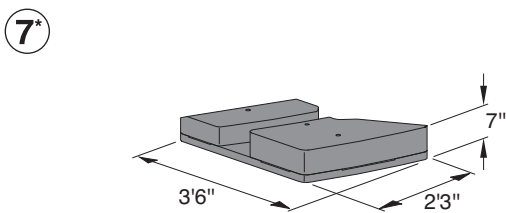
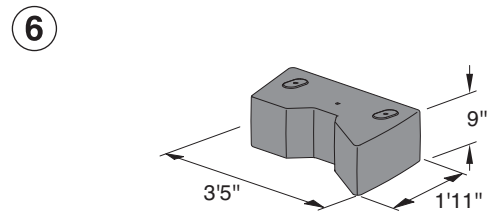
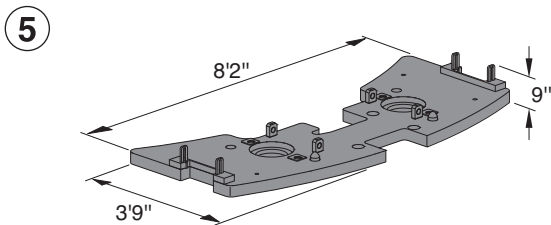
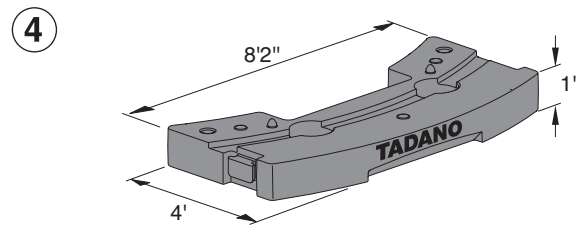
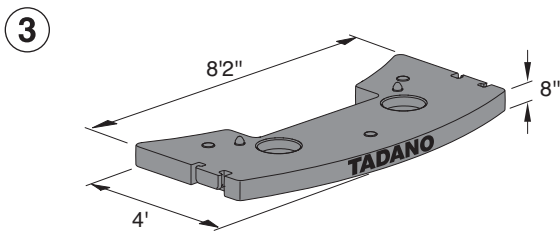
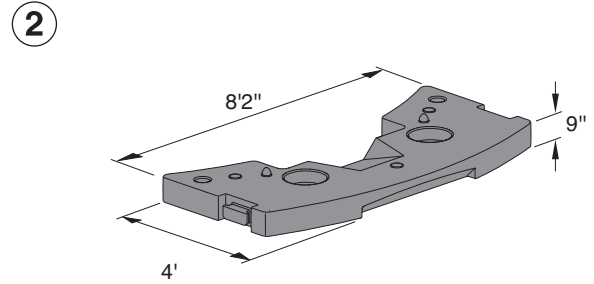
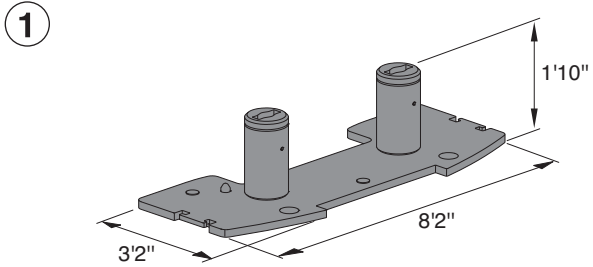
Configurations

| | 7,500 lbs | 9,700 lbs | 11,900 lbs | 15,200 lbs | 19,200 lbs | 22,500 lbs | 24,250 lbs | 26,900 lbs | 31,970 lbs | 36,400 lbs |
|--------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| ① 2,200 lbs | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| ② 5,100 lbs | | | | | 1 | 1 | 2 | 1 | 2 | 2 |
| ③ 4,400 lbs | | | 1 | | 1 | | 1 | 1 | 1 | 2 |
| ④ 7,700 lbs | | | | 1 | | 1 | | 1 | 1 | 1 |
| ⑤ 2,200 lbs | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ⑥ 1,800 lbs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| ⑦* 1,100 lbs | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ⑧* 660 lbs | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

* Can be replaced by 2nd hoist

Transportation

Counterweight

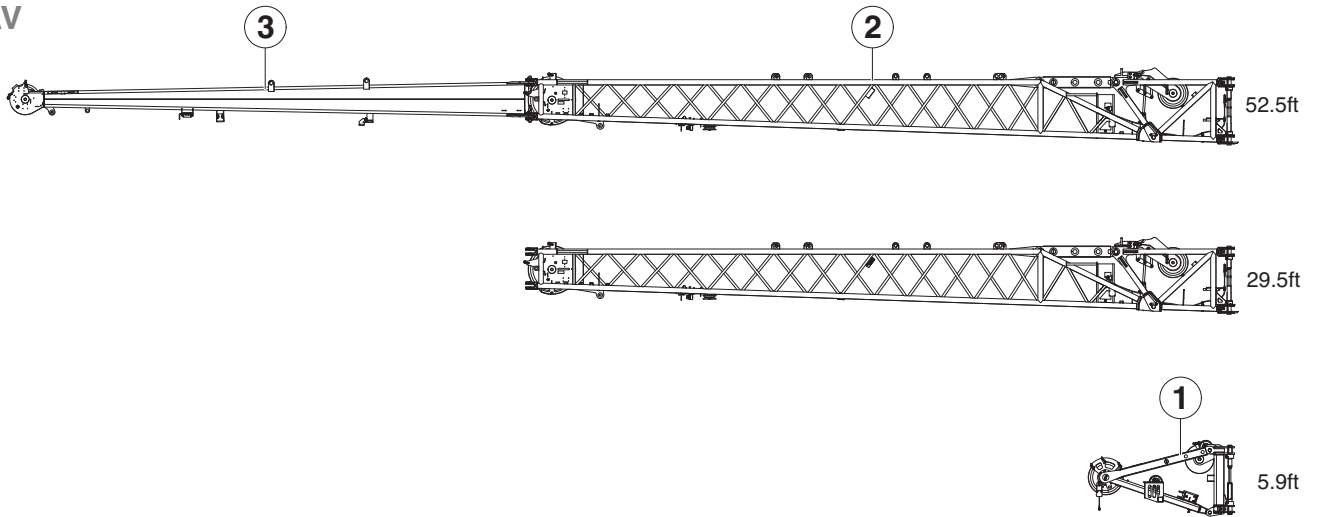


* Can be replaced by 2nd hoist

Transportation

Jib

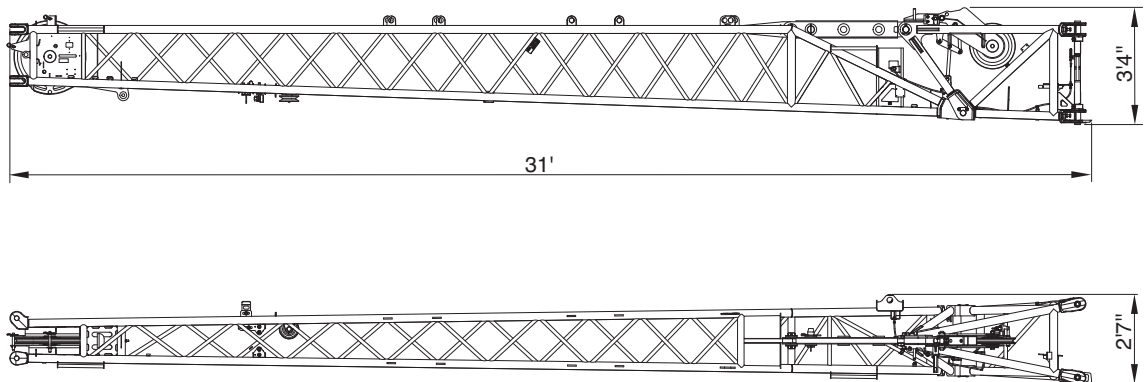
HAV



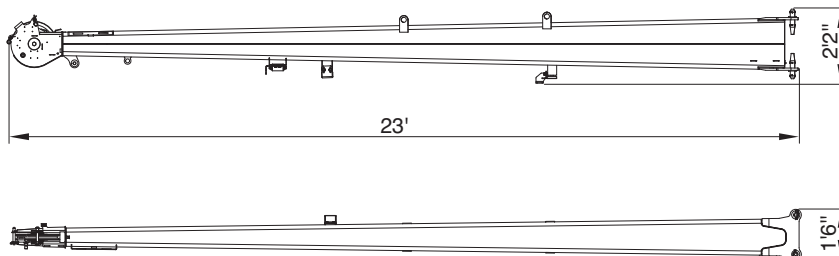
1
lbs
750



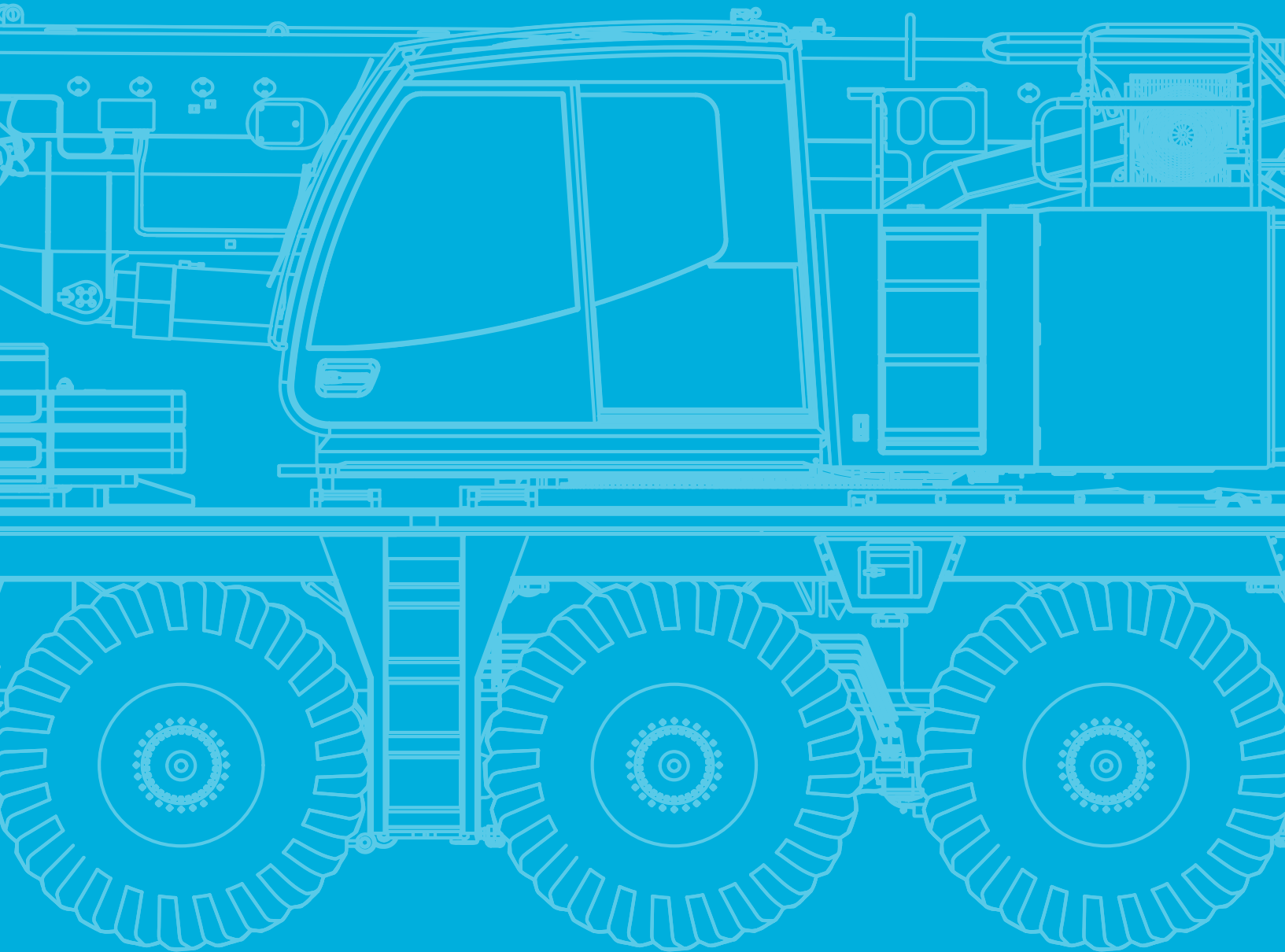
2
lbs
2,000



3
lbs
650



TECHNICAL DATA FOR OPERATION



Operation

Main boom



approx. 500 s (36.4 ft - 170.9 ft)



approx. 33 s (-2° - 82°)

Slewing



0 - 2 min⁻¹

Hoist



1

427 ft/min

9,892 lbf

0.63"

689 ft

2

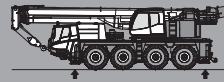
427 ft/min

9,892 lbf

0.63"

689 ft

Outrigger cylinders



71,900 lbs

105,600 lbs



23.6"

23.6"

Hook Blocks



13,200 lbs

9,900 lbs

-

1

390 lbs

35,300 lbs

29,100 lbs

1

3

420 lbs

70,500 lbs

67,250 lbs

3

7

660 lbs

110,200 lbs

104,500 lbs

5

11

1,050 lbs

138,900 lbs

140,900 lbs

7

15

1,430 lbs

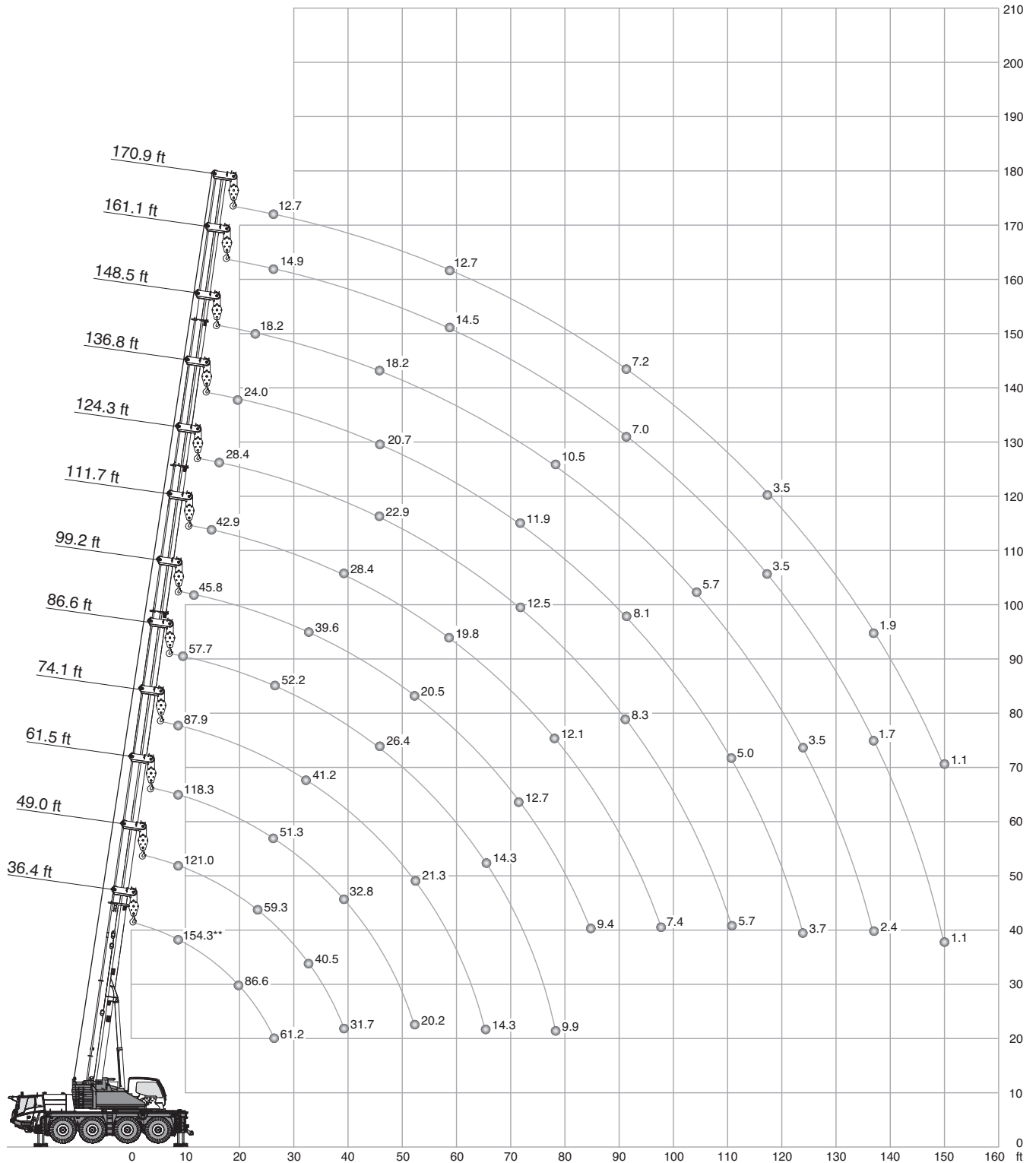
176,400 lbs

154,350 lbs

9

19

1,870 lbs



** Max. crane capacity – with additional special equipment

Operation

HA

| 36,400 lbs | | 21.0 ft x 25.9 ft | | | | | | | | | | 360° | | ASME B30.5 | | | |
|------------|---------|-------------------|-------|-------|------|------|------|------|------|------|------|------|------|------------|---|----|-------|
| 36.4* | | 36.4 | 49.0 | 61.5 | 74.1 | 86.6 | (ft) | | | | | | | | | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | ft | |
| 8.2 | 154.3** | 126.9 | 121.0 | 118.3 | 87.9 | - | - | - | - | - | - | - | - | - | - | - | 8.2 |
| 9.8 | 137.7 | 115.5 | 111.3 | 107.3 | 87.9 | 57.7 | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | 126.5 | 106.0 | 102.0 | 98.3 | 87.9 | 73.6 | 45.8 | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | 116.8 | 97.8 | 94.1 | 90.6 | 87.9 | 68.3 | 54.4 | - | - | - | - | - | - | - | - | - | 13.1 |
| 14.8 | 108.2 | 90.6 | 87.3 | 83.9 | 82.6 | 63.7 | 54.4 | 42.9 | - | - | - | - | - | - | - | - | 14.8 |
| 16.4 | 100.7 | 82.4 | 81.5 | 78.2 | 76.9 | 59.5 | 54.4 | 42.9 | 28.4 | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 86.6 | 69.2 | 69.4 | 68.1 | 67.6 | 57.7 | 50.7 | 42.9 | 31.3 | 24.0 | - | - | - | - | - | - | 19.7 |
| 23.0 | 73.1 | 59.0 | 59.3 | 59.3 | 58.8 | 57.7 | 45.8 | 42.9 | 31.3 | 24.0 | 18.2 | - | - | - | - | - | 23.0 |
| 26.2 | 61.2 | 50.9 | 51.3 | 51.3 | 50.9 | 52.2 | 45.1 | 39.6 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | - | - | - | 26.2 |
| 29.5 | - | - | 45.6 | 44.9 | 45.1 | 45.8 | 42.3 | 36.3 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | 29.5 | - | - | 29.5 |
| 32.8 | - | - | 40.5 | 39.6 | 41.2 | 40.5 | 39.6 | 33.2 | 29.5 | 24.0 | 18.2 | 14.9 | 12.7 | 32.8 | - | - | 32.8 |
| 39.4 | - | - | 31.7 | 32.8 | 32.8 | 32.6 | 32.6 | 28.4 | 25.7 | 23.3 | 18.2 | 14.9 | 12.7 | 39.4 | - | - | 39.4 |
| 45.9 | - | - | - | 25.3 | 25.7 | 26.4 | 25.5 | 24.6 | 22.9 | 20.7 | 18.2 | 14.9 | 12.7 | 45.9 | - | - | 45.9 |
| 52.5 | - | - | - | 20.2 | 21.3 | 21.1 | 20.5 | 19.8 | 20.5 | 18.5 | 17.1 | 14.9 | 12.7 | 52.5 | - | - | 52.5 |
| 59.1 | - | - | - | - | 17.4 | 17.1 | 16.7 | 17.4 | 16.5 | 16.0 | 15.6 | 14.5 | 12.7 | 59.1 | - | - | 59.1 |
| 65.6 | - | - | - | - | 14.3 | 14.3 | 15.2 | 14.5 | 13.8 | 13.2 | 13.6 | 13.4 | 12.5 | 65.6 | - | - | 65.6 |
| 72.2 | - | - | - | - | - | 13.0 | 12.7 | 12.1 | 12.5 | 11.9 | 11.6 | 11.9 | 11.6 | 72.2 | - | - | 72.2 |
| 78.7 | - | - | - | - | - | 9.9 | 11.0 | 10.8 | 10.5 | 9.9 | 10.5 | 9.9 | 9.9 | 78.7 | - | - | 78.7 |
| 85.3 | - | - | - | - | - | - | 9.4 | 9.7 | 9.0 | 9.0 | 9.0 | 8.3 | 8.3 | 85.3 | - | - | 85.3 |
| 91.9 | - | - | - | - | - | - | - | 8.5 | 8.3 | 8.1 | 7.7 | 7.0 | 7.2 | 91.9 | - | - | 91.9 |
| 98.4 | - | - | - | - | - | - | - | 7.4 | 7.2 | 7.0 | 6.6 | 5.9 | 6.1 | 98.4 | - | - | 98.4 |
| 105.0 | - | - | - | - | - | - | - | - | 6.3 | 5.9 | 5.7 | 5.0 | 5.0 | 105.0 | - | - | 105.0 |
| 111.5 | - | - | - | - | - | - | - | - | 5.7 | 5.0 | 4.8 | 4.1 | 4.4 | 111.5 | - | - | 111.5 |
| 118.1 | - | - | - | - | - | - | - | - | - | 4.4 | 4.1 | 3.5 | 3.5 | 118.1 | - | - | 118.1 |
| 124.7 | - | - | - | - | - | - | - | - | - | 3.7 | 3.5 | 2.8 | 2.8 | 124.7 | - | - | 124.7 |
| 131.2 | - | - | - | - | - | - | - | - | - | - | 2.8 | 2.4 | 2.4 | 131.2 | - | - | 131.2 |
| 137.8 | - | - | - | - | - | - | - | - | - | - | 2.4 | 1.7 | 1.9 | 137.8 | - | - | 137.8 |
| 144.4 | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 1.3 | 144.4 | - | - | 144.4 |
| 150.9 | - | - | - | - | - | - | - | - | - | - | - | 1.1 | 1.1 | 150.9 | - | - | 150.9 |

* over rear

** Max. crane capacity – with additional special equipment

Operation

HA

| 26,900 lbs | | 21.0 ft x 25.9 ft | | | | | | | | | | | 360° | | ASME B30.5 | | | | |
|------------|-------|-------------------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------------|----|---|-------|--|
| 36.4* | | 36.4 | 49.0 | 61.5 | 74.1 | 86.6 | (ft) | | | | | | | | | | | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | ft | | | |
| 8.2 | 151.2 | 126.9 | 121.0 | 118.3 | 87.9 | - | - | - | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | 137.7 | 115.5 | 111.3 | 107.3 | 87.9 | 57.7 | - | - | - | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | 126.5 | 106.0 | 102.0 | 98.3 | 87.9 | 73.6 | 45.8 | - | - | - | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | 116.8 | 97.4 | 94.1 | 90.6 | 87.9 | 68.3 | 54.4 | - | - | - | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | 108.2 | 87.7 | 87.3 | 83.9 | 82.6 | 63.7 | 54.4 | 42.9 | - | - | - | - | - | - | - | - | - | 14.8 | |
| 16.4 | 100.7 | 79.5 | 79.8 | 78.2 | 76.9 | 59.5 | 54.4 | 42.9 | 28.4 | - | - | - | - | - | - | - | - | 16.4 | |
| 19.7 | 83.1 | 66.3 | 66.5 | 66.5 | 66.3 | 57.7 | 50.7 | 42.9 | 31.3 | 24.0 | - | - | - | - | - | - | - | 19.7 | |
| 23.0 | 68.5 | 56.4 | 56.6 | 56.6 | 56.4 | 57.3 | 45.8 | 42.9 | 31.3 | 24.0 | 18.2 | - | - | - | - | - | - | 23.0 | |
| 26.2 | 53.7 | 48.7 | 49.6 | 48.9 | 48.9 | 48.2 | 45.1 | 39.6 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | - | - | - | - | 26.2 | |
| 29.5 | - | - | 43.4 | 42.7 | 44.0 | 41.2 | 40.7 | 36.3 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | 29.5 | - | - | - | 29.5 | |
| 32.8 | - | - | 37.4 | 38.3 | 38.1 | 37.0 | 35.4 | 33.0 | 29.5 | 24.0 | 18.2 | 14.9 | 12.7 | 32.8 | - | - | - | 32.8 | |
| 39.4 | - | - | 27.1 | 27.9 | 29.1 | 29.1 | 27.5 | 25.5 | 25.1 | 23.3 | 18.2 | 14.9 | 12.7 | 39.4 | - | - | - | 39.4 | |
| 45.9 | - | - | - | 22.0 | 22.4 | 22.2 | 21.3 | 21.8 | 20.7 | 19.4 | 18.2 | 14.9 | 12.7 | 45.9 | - | - | - | 45.9 | |
| 52.5 | - | - | - | 17.6 | 17.8 | 17.6 | 18.2 | 17.8 | 16.9 | 16.3 | 15.8 | 14.9 | 12.7 | 52.5 | - | - | - | 52.5 | |
| 59.1 | - | - | - | - | 14.5 | 15.2 | 14.9 | 14.3 | 14.7 | 14.1 | 14.1 | 13.4 | 12.7 | 59.1 | - | - | - | 59.1 | |
| 65.6 | - | - | - | - | 12.3 | 12.7 | 12.5 | 12.7 | 12.1 | 11.9 | 12.1 | 11.4 | 11.2 | 65.6 | - | - | - | 65.6 | |
| 72.2 | - | - | - | - | - | 10.8 | 10.5 | 10.8 | 10.5 | 10.3 | 10.1 | 9.4 | 9.4 | 72.2 | - | - | - | 72.2 | |
| 78.7 | - | - | - | - | - | 7.9 | 9.4 | 9.2 | 9.2 | 8.8 | 8.3 | 7.7 | 7.9 | 78.7 | - | - | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 8.1 | 7.9 | 7.7 | 7.2 | 7.0 | 6.3 | 6.3 | 85.3 | - | - | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | - | 6.6 | 6.6 | 6.1 | 5.9 | 5.2 | 5.2 | 91.9 | - | - | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | 5.7 | 5.7 | 5.2 | 5.0 | 4.4 | 4.4 | 98.4 | - | - | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | 4.8 | 4.4 | 4.1 | 3.5 | 3.5 | 105.0 | - | - | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | 4.1 | 3.7 | 3.3 | 2.8 | 2.8 | 111.5 | - | - | - | 111.5 | |
| 118.1 | - | - | - | - | - | - | - | - | - | 3.0 | 2.8 | 2.2 | 2.2 | 118.1 | - | - | - | 118.1 | |
| 124.7 | - | - | - | - | - | - | - | - | - | 2.4 | 2.2 | 1.5 | 1.5 | 124.7 | - | - | - | 124.7 | |
| 131.2 | - | - | - | - | - | - | - | - | - | - | 1.7 | 1.1 | 1.1 | 131.2 | - | - | - | 131.2 | |
| 137.8 | - | - | - | - | - | - | - | - | - | - | 1.3 | - | - | 137.8 | - | - | - | 137.8 | |

* over rear

Operation

HA

| 24,250 lbs | | 21.0 ft x 25.9 ft | | | | | | | | | | | 360° | | ASME B30.5 | |
|------------|-------|-------------------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|------------|--|
| | | (ft) | | | | | | | | | | | | | | |
| | | 36.4* | 36.4 | 49.0 | 61.5 | 74.1 | 86.6 | 99.2 | 111.7 | 124.3 | 136.8 | 148.5 | 161.1 | 170.9 | | |
| ft | | 1,000 lbs | | | | | | | | | | | ft | | | |
| 8.2 | 151.2 | 126.9 | 121.0 | 118.3 | 87.9 | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | 137.7 | 115.5 | 111.3 | 107.3 | 87.9 | 57.7 | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | 126.5 | 106.0 | 102.0 | 98.3 | 87.9 | 73.6 | 45.8 | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | 116.8 | 96.5 | 94.1 | 90.6 | 87.9 | 68.3 | 54.4 | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | 108.2 | 86.8 | 87.0 | 83.9 | 82.6 | 63.7 | 54.4 | 42.9 | - | - | - | - | - | - | 14.8 | |
| 16.4 | 100.0 | 78.7 | 78.9 | 77.6 | 76.9 | 59.5 | 54.4 | 42.9 | 28.4 | - | - | - | - | - | 16.4 | |
| 19.7 | 82.2 | 65.6 | 65.9 | 65.6 | 65.4 | 57.7 | 50.7 | 42.9 | 31.3 | 24.0 | - | - | - | - | 19.7 | |
| 23.0 | 65.9 | 55.7 | 55.9 | 55.9 | 55.5 | 55.1 | 45.8 | 42.9 | 31.3 | 24.0 | 18.2 | - | - | - | 23.0 | |
| 26.2 | 51.5 | 48.0 | 48.9 | 48.2 | 48.9 | 46.2 | 45.1 | 39.6 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | - | 26.2 | |
| 29.5 | - | - | 42.7 | 42.1 | 42.1 | 39.6 | 39.0 | 36.1 | 31.3 | 24.0 | 18.2 | 14.9 | 12.7 | - | 29.5 | |
| 32.8 | - | - | 35.7 | 36.8 | 36.1 | 36.1 | 33.7 | 31.3 | 29.5 | 24.0 | 18.2 | 14.9 | 12.7 | - | 32.8 | |
| 39.4 | - | - | 26.2 | 27.3 | 27.7 | 27.5 | 26.2 | 24.4 | 24.4 | 22.9 | 18.2 | 14.9 | 12.7 | - | 39.4 | |
| 45.9 | - | - | - | 20.9 | 21.1 | 21.1 | 20.2 | 21.1 | 19.6 | 18.2 | 18.2 | 14.9 | 12.7 | - | 45.9 | |
| 52.5 | - | - | - | 16.7 | 16.7 | 16.7 | 17.6 | 16.7 | 16.3 | 16.0 | 15.6 | 14.9 | 12.7 | - | 52.5 | |
| 59.1 | - | - | - | - | 13.6 | 14.5 | 14.3 | 13.8 | 13.8 | 13.2 | 13.6 | 12.7 | 12.5 | - | 59.1 | |
| 65.6 | - | - | - | - | 12.1 | 12.1 | 11.6 | 12.1 | 11.6 | 11.6 | 11.4 | 10.5 | 10.5 | - | 65.6 | |
| 72.2 | - | - | - | - | - | 10.1 | 10.5 | 10.1 | 10.1 | 9.7 | 9.4 | 8.8 | 8.8 | - | 72.2 | |
| 78.7 | - | - | - | - | - | 7.2 | 8.8 | 8.5 | 8.5 | 8.1 | 7.9 | 7.2 | 7.2 | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 7.4 | 7.2 | 7.2 | 6.8 | 6.6 | 5.9 | 5.9 | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | - | 6.1 | 6.1 | 5.7 | 5.5 | 4.8 | 4.8 | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | 5.2 | 5.2 | 4.8 | 4.4 | 3.9 | 3.9 | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | 4.4 | 3.9 | 3.7 | 3.0 | 3.0 | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | 3.7 | 3.3 | 3.0 | 2.4 | 2.4 | - | 111.5 | |
| 118.1 | - | - | - | - | - | - | - | - | - | 2.6 | 2.4 | 1.7 | 1.7 | - | 118.1 | |
| 124.7 | - | - | - | - | - | - | - | - | - | 2.2 | 1.7 | 1.3 | 1.3 | - | 124.7 | |
| 131.2 | - | - | - | - | - | - | - | - | - | - | 1.3 | - | - | - | 131.2 | |

| 9,700 lbs | | 21.0 ft x 25.9 ft | | | | | | | | | | | 360° | | ASME B30.5 | |
|-----------|-------|-------------------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|------------|--|
| | | (ft) | | | | | | | | | | | | | | |
| | | 36.4* | 36.4 | 49.0 | 61.5 | 74.1 | 86.6 | 99.2 | 111.7 | 124.3 | 136.8 | 148.5 | 161.1 | 170.9 | | |
| ft | | 1,000 lbs | | | | | | | | | | | ft | | | |
| 8.2 | 151.2 | 126.9 | 121.0 | 118.3 | 87.9 | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | 137.7 | 115.5 | 111.3 | 107.3 | 87.9 | 57.7 | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | 126.5 | 102.2 | 102.0 | 98.3 | 87.9 | 73.6 | 45.8 | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | 116.8 | 91.0 | 91.2 | 89.9 | 87.9 | 68.3 | 54.4 | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | 104.7 | 81.5 | 81.7 | 80.4 | 81.1 | 63.7 | 54.4 | 42.9 | - | - | - | - | - | - | 14.8 | |
| 16.4 | 93.4 | 73.4 | 73.8 | 73.6 | 70.1 | 59.5 | 54.4 | 42.9 | 28.4 | - | - | - | - | - | 16.4 | |
| 19.7 | 69.4 | 60.8 | 61.0 | 58.4 | 56.4 | 51.3 | 46.7 | 42.9 | 31.3 | 24.0 | - | - | - | - | 19.7 | |
| 23.0 | 50.9 | 50.9 | 50.4 | 48.0 | 44.7 | 43.8 | 40.3 | 37.0 | 31.3 | 24.0 | 18.2 | - | - | - | 23.0 | |
| 26.2 | 39.4 | 38.3 | 39.6 | 39.0 | 38.8 | 36.3 | 33.5 | 31.7 | 29.3 | 24.0 | 18.2 | 14.9 | 12.7 | - | 26.2 | |
| 29.5 | - | - | 31.3 | 33.5 | 32.6 | 30.8 | 28.4 | 28.2 | 26.2 | 24.0 | 18.2 | 14.9 | 12.7 | - | 29.5 | |
| 32.8 | - | - | 26.0 | 27.3 | 27.7 | 26.4 | 25.5 | 24.4 | 22.9 | 21.8 | 18.2 | 14.9 | 12.7 | - | 32.8 | |
| 39.4 | - | - | 18.2 | 19.4 | 19.8 | 20.7 | 20.2 | 19.4 | 18.5 | 18.2 | 16.3 | 14.9 | 12.7 | - | 39.4 | |
| 45.9 | - | - | - | 14.5 | 15.8 | 15.8 | 15.6 | 16.0 | 15.6 | 14.5 | 13.6 | 12.5 | 12.3 | - | 45.9 | |
| 52.5 | - | - | - | 11.2 | 12.3 | 12.3 | 12.7 | 12.5 | 12.5 | 11.9 | 11.0 | 10.1 | 9.9 | - | 52.5 | |
| 59.1 | - | - | - | - | 9.7 | 9.9 | 10.3 | 9.9 | 9.9 | 9.4 | 9.0 | 8.1 | 7.9 | - | 59.1 | |
| 65.6 | - | - | - | - | 7.9 | 7.9 | 8.3 | 8.1 | 7.9 | 7.4 | 7.2 | 6.3 | 6.3 | - | 65.6 | |
| 72.2 | - | - | - | - | - | 6.3 | 6.8 | 6.6 | 6.3 | 5.9 | 5.7 | 5.0 | 5.0 | - | 72.2 | |
| 78.7 | - | - | - | - | - | 3.9 | 5.5 | 5.2 | 5.2 | 4.8 | 4.4 | 3.9 | 3.9 | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 4.6 | 4.1 | 4.1 | 3.7 | 3.5 | 2.8 | 2.8 | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | - | 3.3 | 3.3 | 2.8 | 2.6 | 1.9 | 1.9 | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | 2.6 | 2.6 | 2.2 | 1.9 | - | - | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | 1.9 | 1.5 | 1.3 | - | - | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | 1.5 | 1.1 | - | - | - | - | 111.5 | |

* over rear

Operation

HA

| 7,500 lbs | | 21.0 ft x 25.9 ft | | | | | | | | | | | 360° | | ASME B30.5 | | |
|-----------|-------|-------------------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|------------|-------|--|
| | | (ft) | | | | | | | | | | | | | | | |
| | | 36.4* | 36.4 | 49.0 | 61.5 | 74.1 | 86.6 | 99.2 | 111.7 | 124.3 | 136.8 | 148.5 | 161.1 | 170.9 | | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | ft | |
| 8.2 | 151.2 | 126.9 | 121.0 | 118.3 | 87.9 | - | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | 137.7 | 115.3 | 111.3 | 107.3 | 87.9 | 57.7 | - | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | 126.5 | 101.4 | 101.1 | 98.3 | 87.9 | 73.6 | 45.8 | - | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | 116.8 | 89.9 | 90.3 | 89.0 | 87.9 | 68.3 | 54.4 | - | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | 103.6 | 80.6 | 80.9 | 79.5 | 77.8 | 63.7 | 54.4 | 42.9 | - | - | - | - | - | - | - | 14.8 | |
| 16.4 | 89.5 | 72.7 | 72.9 | 72.7 | 67.0 | 59.5 | 54.4 | 42.9 | 28.4 | - | - | - | - | - | - | 16.4 | |
| 19.7 | 66.3 | 59.9 | 60.4 | 55.3 | 53.5 | 48.7 | 45.8 | 42.9 | 31.3 | 24.0 | - | - | - | - | - | 19.7 | |
| 23.0 | 48.5 | 48.0 | 47.8 | 45.6 | 42.9 | 41.6 | 38.3 | 35.9 | 31.3 | 24.0 | 18.2 | - | - | - | - | 23.0 | |
| 26.2 | 37.4 | 36.1 | 37.4 | 37.0 | 36.5 | 34.3 | 31.7 | 29.9 | 28.4 | 24.0 | 18.2 | 14.9 | 12.7 | - | - | 26.2 | |
| 29.5 | - | - | 30.2 | 31.5 | 30.8 | 29.1 | 27.1 | 26.6 | 24.9 | 22.7 | 18.2 | 14.9 | 12.7 | 29.5 | - | 29.5 | |
| 32.8 | - | - | 24.4 | 25.7 | 26.2 | 24.9 | 24.9 | 22.9 | 22.7 | 20.9 | 18.2 | 14.9 | 12.7 | 32.8 | - | 32.8 | |
| 39.4 | - | - | 17.1 | 18.2 | 18.5 | 19.8 | 19.1 | 18.9 | 18.0 | 17.1 | 16.0 | 14.7 | 12.7 | 39.4 | - | 39.4 | |
| 45.9 | - | - | - | 13.4 | 14.7 | 14.9 | 15.4 | 14.9 | 14.5 | 13.6 | 12.7 | 11.6 | 11.4 | 45.9 | - | 45.9 | |
| 52.5 | - | - | - | 10.3 | 11.4 | 11.6 | 12.1 | 11.6 | 11.6 | 11.0 | 10.3 | 9.2 | 9.0 | 52.5 | - | 52.5 | |
| 59.1 | - | - | - | - | 9.0 | 9.2 | 9.4 | 9.2 | 9.2 | 8.8 | 8.3 | 7.2 | 7.2 | 59.1 | - | 59.1 | |
| 65.6 | - | - | - | - | 7.2 | 7.2 | 7.7 | 7.4 | 7.2 | 7.0 | 6.6 | 5.7 | 5.7 | 65.6 | - | 65.6 | |
| 72.2 | - | - | - | - | - | 5.9 | 6.1 | 5.9 | 5.9 | 5.5 | 5.0 | 4.6 | 4.4 | 72.2 | - | 72.2 | |
| 78.7 | - | - | - | - | - | 3.3 | 5.0 | 4.8 | 4.6 | 4.1 | 3.9 | 3.3 | 3.3 | 78.7 | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 3.9 | 3.7 | 3.7 | 3.3 | 3.0 | 2.4 | 2.4 | 85.3 | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | - | 3.0 | 2.8 | 2.4 | 2.2 | - | - | 91.9 | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | 2.2 | 2.2 | 1.7 | 1.5 | - | - | 98.4 | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | 1.5 | 1.1 | - | - | - | 105.0 | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | - | 1.1 | - | - | - | 111.5 | - | 111.5 | |

* over rear

Operation

HA

| 36,400 lbs 180° ASME B30.5 | | | | |
|----------------------------|---------|---------|---------|-----------|
| ft | 36.4 ft | 48.1 ft | 60.7 ft | 1,000 lbs |
| | | | | 9.8 |
| 11.5 | 39.0 | 39.9 | 35.2 | |
| 13.1 | 35.7 | 36.3 | 33.0 | |
| 14.8 | 32.6 | 33.5 | 30.8 | |
| 16.4 | 29.9 | 30.8 | 29.1 | |
| 19.7 | 25.7 | 26.6 | 26.0 | |
| 23.0 | 21.8 | 23.1 | 23.5 | |
| 26.2 | 17.6 | 18.9 | 20.0 | |
| 29.5 | - | 15.8 | 16.7 | |
| 32.8 | - | 13.2 | 14.1 | |
| 39.4 | - | 9.7 | 10.3 | |
| 45.9 | - | - | 7.7 | |
| 52.5 | - | - | 5.9 | |

| 26,900 lbs 180° ASME B30.5 | | | | |
|----------------------------|---------|---------|---------|-----------|
| ft | 36.4 ft | 48.1 ft | 60.7 ft | 1,000 lbs |
| | | | | 9.8 |
| 11.5 | 39.2 | 40.1 | 35.2 | |
| 13.1 | 35.9 | 36.5 | 33.0 | |
| 14.8 | 32.8 | 33.7 | 30.8 | |
| 16.4 | 30.2 | 30.8 | 29.1 | |
| 19.7 | 23.1 | 24.6 | 24.6 | |
| 23.0 | 18.0 | 19.4 | 20.5 | |
| 26.2 | 14.3 | 15.6 | 16.7 | |
| 29.5 | - | 13.0 | 13.8 | |
| 32.8 | - | 10.5 | 11.4 | |
| 39.4 | - | 7.4 | 8.1 | |
| 45.9 | - | - | 5.9 | |
| 52.5 | - | - | 4.4 | |

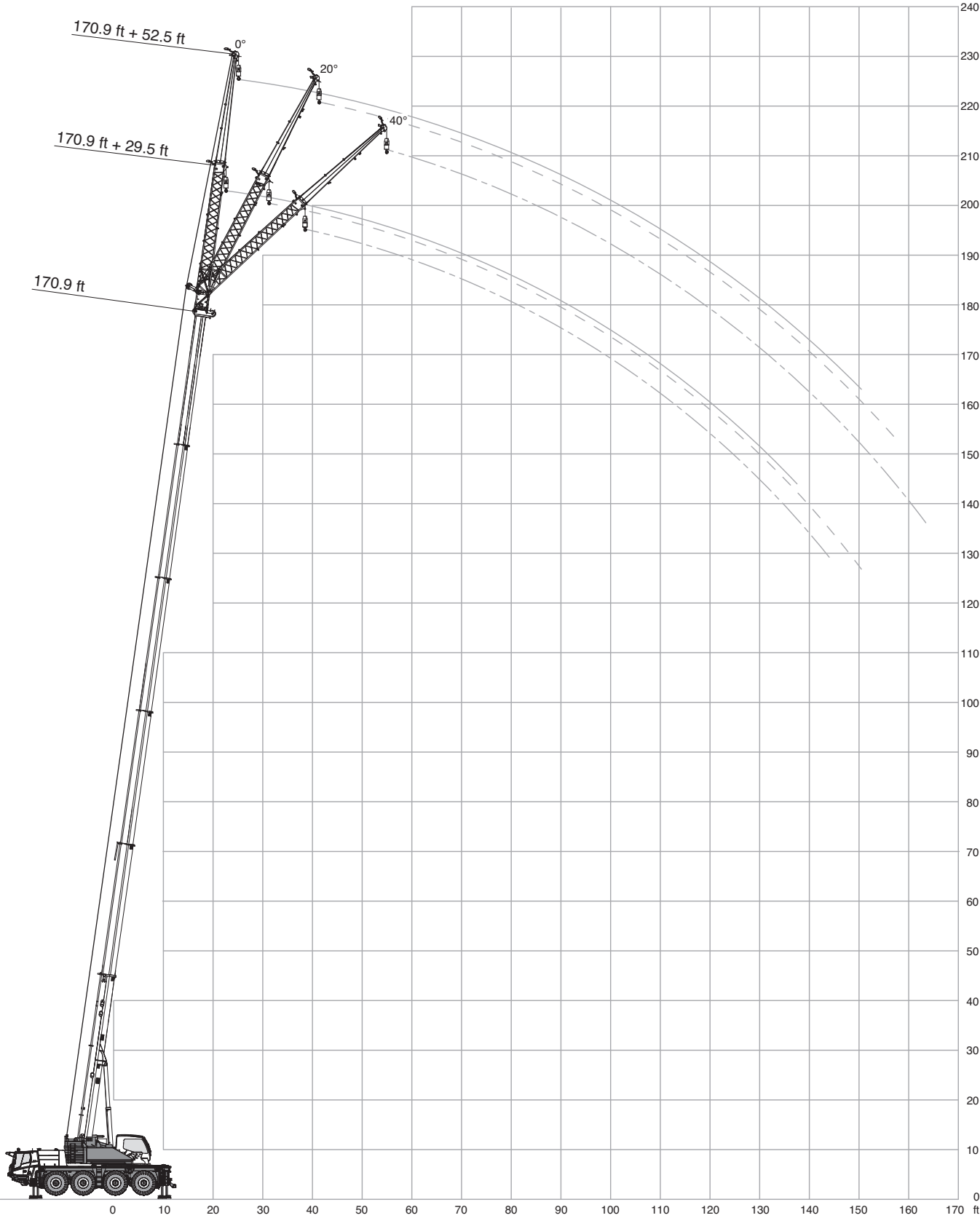
| 24,250 lbs 180° ASME B30.5 | | | | |
|----------------------------|---------|---------|---------|-----------|
| ft | 36.4 ft | 48.1 ft | 60.7 ft | 1,000 lbs |
| | | | | 9.8 |
| 11.5 | 39.2 | 40.1 | 35.2 | |
| 13.1 | 35.9 | 36.5 | 33.0 | |
| 14.8 | 32.8 | 33.0 | 30.8 | |
| 16.4 | 29.1 | 29.3 | 28.4 | |
| 19.7 | 22.0 | 23.3 | 23.3 | |
| 23.0 | 16.9 | 18.5 | 19.4 | |
| 26.2 | 13.4 | 14.7 | 15.6 | |
| 29.5 | - | 12.1 | 13.0 | |
| 32.8 | - | 9.9 | 10.8 | |
| 39.4 | - | 6.8 | 7.7 | |
| 45.9 | - | - | 5.5 | |
| 52.5 | - | - | 3.9 | |

| 9,700 lbs 180° ASME B30.5 | | | | |
|---------------------------|---------|---------|---------|-----------|
| ft | 36.4 ft | 48.1 ft | 60.7 ft | 1,000 lbs |
| | | | | 9.8 |
| 11.5 | 32.6 | 31.5 | 29.9 | |
| 13.1 | 27.9 | 27.3 | 26.2 | |
| 14.8 | 24.2 | 23.8 | 23.1 | |
| 16.4 | 20.5 | 21.1 | 20.7 | |
| 19.7 | 14.9 | 16.5 | 16.7 | |
| 23.0 | 11.2 | 12.5 | 13.4 | |
| 26.2 | 8.3 | 9.7 | 10.8 | |
| 29.5 | - | 7.7 | 8.5 | |
| 32.8 | - | 5.9 | 6.8 | |
| 39.4 | - | 3.5 | 4.4 | |
| 45.9 | - | - | 2.6 | |
| 52.5 | - | - | 1.5 | |

| 7,500 lbs 180° ASME B30.5 | | | | |
|---------------------------|---------|---------|---------|-----------|
| ft | 36.4 ft | 48.1 ft | 60.7 ft | 1,000 lbs |
| | | | | 9.8 |
| 11.5 | 30.8 | 29.7 | 28.4 | |
| 13.1 | 26.4 | 25.7 | 24.9 | |
| 14.8 | 22.7 | 22.4 | 21.8 | |
| 16.4 | 19.1 | 19.8 | 19.4 | |
| 19.7 | 13.8 | 15.4 | 15.6 | |
| 23.0 | 10.3 | 11.6 | 12.5 | |
| 26.2 | 7.4 | 9.0 | 9.9 | |
| 29.5 | - | 7.0 | 7.9 | |
| 32.8 | - | 5.2 | 6.1 | |
| 39.4 | - | 3.0 | 3.7 | |
| 45.9 | - | - | 2.2 | |
| 52.5 | - | - | 1.1 | |

Operation

HAV



Operation

| 36,400 lbs | | 21.0 ft x 25.9 ft | | | 29.5 ft | | | 360° | | | ASME B30.5 | | | | | | |
|------------|-----------|-------------------|------|------|----------|------|------|----------|------|-----|------------|-----|-----|-----|-----|-----|-------|
| 36.4 ft | | 99.2 ft | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 9.8 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.1 |
| 14.8 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.8 |
| 16.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 19.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 19.4 | 19.4 | 19.4 | - | 17.1 | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 19.4 | 19.4 | 19.1 | - | 19.4 | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 19.4 | 19.4 | 18.2 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 19.4 | 19.4 | 17.6 | 19.4 | 19.4 | 19.4 | - | 12.5 | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 19.4 | 18.7 | 16.5 | 19.4 | 19.4 | 19.1 | - | 12.5 | - | - | 6.6 | - | - | 5.9 | - | - | 39.4 |
| 45.9 | 19.4 | 16.9 | - | 19.4 | 19.4 | 18.5 | 12.5 | 12.5 | 12.5 | - | 6.6 | 6.6 | - | 5.9 | - | - | 45.9 |
| 52.5 | 17.1 | 15.8 | - | 19.4 | 19.4 | 17.6 | 12.5 | 12.5 | 12.5 | 6.6 | 6.6 | 6.6 | - | 5.9 | 5.9 | - | 52.5 |
| 59.1 | - | - | - | 16.0 | 17.1 | 17.1 | 12.5 | 12.5 | 12.3 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 59.1 |
| 65.6 | - | - | - | 13.2 | 14.1 | 14.9 | 12.5 | 12.3 | 11.4 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 65.6 |
| 72.2 | - | - | - | 11.9 | 11.6 | 12.3 | 11.0 | 11.2 | 10.8 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 72.2 |
| 78.7 | - | - | - | 10.3 | 9.7 | 10.1 | 9.7 | 10.1 | 10.1 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 78.7 |
| 85.3 | - | - | - | 8.8 | 9.0 | 8.5 | 8.5 | 8.5 | 9.0 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 85.3 |
| 91.9 | - | - | - | 7.7 | 8.1 | - | 7.2 | 7.9 | 7.9 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 91.9 |
| 98.4 | - | - | - | 6.6 | 6.8 | - | 6.6 | 6.8 | 7.0 | 5.9 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | 98.4 |
| 105.0 | - | - | - | 5.5 | 5.9 | - | 5.9 | 6.1 | 6.1 | 5.0 | 5.5 | 5.9 | 5.0 | 5.5 | 5.9 | - | 105.0 |
| 111.5 | - | - | - | 5.2 | - | - | 5.2 | 5.5 | 5.5 | 4.1 | 4.6 | 5.0 | 4.1 | 4.6 | 5.0 | - | 111.5 |
| 118.1 | - | - | - | 4.8 | - | - | 4.4 | 4.8 | 5.0 | 3.5 | 3.9 | 4.1 | 3.5 | 3.9 | 4.1 | - | 118.1 |
| 124.7 | - | - | - | - | - | - | 3.7 | 4.1 | - | 2.8 | 3.3 | 3.5 | 2.8 | 3.3 | 3.5 | - | 124.7 |
| 131.2 | - | - | - | - | - | - | 3.3 | 3.5 | - | 2.2 | 2.6 | 2.8 | 2.2 | 2.6 | 2.8 | - | 131.2 |
| 137.8 | - | - | - | - | - | - | 2.6 | 2.8 | - | 1.7 | 2.2 | - | 1.7 | 1.9 | 2.2 | - | 137.8 |
| 144.4 | - | - | - | - | - | - | 2.2 | 2.4 | - | 1.3 | 1.5 | - | 1.3 | 1.5 | 1.7 | - | 144.4 |
| 150.9 | - | - | - | - | - | - | 1.9 | - | - | - | 1.1 | - | - | 1.1 | - | - | 150.9 |
| 157.5 | - | - | - | - | - | - | 1.5 | - | - | - | - | - | - | - | - | - | 157.5 |

Operation

HAV

| 24,250 lbs | | 21.0 ft x 25.9 ft | | | | | | 29.5 ft | | | 360° | | | ASME B30.5 | | | | | |
|------------|-----------|-------------------|------|------|------|----------|------|---------|----------|-----|------|----------|-----|------------|-----|---|-----|-----|-------|
| 36.4 ft | | 99.2 ft | | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | 0° | | 20° | 40° | 0° | | 20° | 40° | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | | | | ft |
| 9.8 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.1 |
| 14.8 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.8 |
| 16.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 19.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 19.4 | 19.4 | 19.4 | - | 17.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 19.4 | 19.4 | 19.1 | - | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 19.4 | 19.4 | 18.2 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 19.4 | 19.4 | 17.6 | 19.4 | 19.4 | 19.4 | - | 12.5 | - | - | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 19.4 | 18.7 | 16.5 | 19.4 | 19.4 | 19.1 | - | 12.5 | - | - | 6.6 | - | - | 5.9 | - | - | - | - | 39.4 |
| 45.9 | 19.4 | 16.9 | - | 18.5 | 19.4 | 18.5 | 12.5 | 12.5 | 12.5 | - | 6.6 | 6.6 | - | 5.9 | - | - | - | - | 45.9 |
| 52.5 | 17.1 | 15.8 | - | 15.4 | 16.5 | 17.6 | 12.5 | 12.5 | 12.5 | 6.6 | 6.6 | 6.6 | - | 5.9 | 5.9 | - | - | - | 52.5 |
| 59.1 | - | - | - | 13.6 | 13.4 | 14.3 | 11.4 | 12.5 | 12.3 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | - | - | 59.1 |
| 65.6 | - | - | - | 11.2 | 10.8 | 11.4 | 9.9 | 10.8 | 11.4 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | - | - | 65.6 |
| 72.2 | - | - | - | 9.2 | 9.9 | 9.2 | 9.0 | 9.7 | 9.7 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | - | - | 72.2 |
| 78.7 | - | - | - | 7.9 | 8.3 | 8.8 | 8.1 | 8.3 | 8.5 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | - | - | 78.7 |
| 85.3 | - | - | - | 7.2 | 7.0 | 7.2 | 6.8 | 7.4 | 7.2 | 5.9 | 6.6 | 6.6 | 5.7 | 5.9 | 5.9 | - | - | - | 85.3 |
| 91.9 | - | - | - | 6.3 | 6.3 | - | 5.7 | 6.3 | 6.6 | 4.8 | 5.5 | 5.9 | 4.6 | 5.2 | 5.9 | - | - | - | 91.9 |
| 98.4 | - | - | - | 5.9 | 5.7 | - | 4.8 | 5.2 | 5.7 | 3.9 | 4.4 | 4.8 | 3.7 | 4.4 | 4.8 | - | - | - | 98.4 |
| 105.0 | - | - | - | 5.0 | 5.2 | - | 3.9 | 4.4 | 4.6 | 3.0 | 3.5 | 3.9 | 3.0 | 3.5 | 3.9 | - | - | - | 105.0 |
| 111.5 | - | - | - | 4.4 | - | - | 3.3 | 3.7 | 3.9 | 2.4 | 2.8 | 3.0 | 2.4 | 2.8 | 3.0 | - | - | - | 111.5 |
| 118.1 | - | - | - | 3.7 | - | - | 2.6 | 3.0 | 3.3 | 1.7 | 2.2 | 2.4 | 1.7 | 2.2 | 2.4 | - | - | - | 118.1 |
| 124.7 | - | - | - | - | - | - | 2.2 | 2.4 | - | 1.3 | 1.5 | 1.7 | 1.1 | 1.5 | 1.7 | - | - | - | 124.7 |
| 131.2 | - | - | - | - | - | - | 1.7 | 1.9 | - | - | 1.1 | 1.3 | - | 1.1 | 1.3 | - | - | - | 131.2 |
| 137.8 | - | - | - | - | - | - | 1.3 | 1.5 | - | - | - | - | - | - | - | - | - | - | 137.8 |
| 144.4 | - | - | - | - | - | - | - | 1.1 | - | - | - | - | - | - | - | - | - | - | 144.4 |

| 7,500 lbs | | 21.0 ft x 25.9 ft | | | | | | 29.5 ft | | | 360° | | | ASME B30.5 | | | | | |
|-----------|-----------|-------------------|------|------|------|----------|------|---------|----------|-----|------|----------|-----|------------|-----|---|-----|-----|-------|
| 36.4 ft | | 99.2 ft | | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | 0° | | 20° | 40° | 0° | | 20° | 40° | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | | | | ft |
| 9.8 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.1 |
| 14.8 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.8 |
| 16.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 19.4 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 19.4 | 19.4 | 19.4 | - | 17.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 19.4 | 19.4 | 19.1 | - | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 19.4 | 19.4 | 18.2 | 19.4 | 19.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 19.4 | 19.4 | 17.6 | 19.4 | 19.4 | 19.4 | - | 12.5 | - | - | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 19.4 | 18.7 | 16.5 | 16.7 | 16.7 | 18.5 | - | 12.5 | - | - | 6.6 | - | - | 5.9 | - | - | - | - | 39.4 |
| 45.9 | 15.6 | 16.5 | - | 13.6 | 13.4 | 14.3 | 10.5 | 11.9 | 12.5 | - | 6.6 | 6.6 | - | 5.9 | - | - | - | - | 45.9 |
| 52.5 | 12.3 | 12.7 | - | 11.6 | 11.6 | 11.2 | 9.2 | 9.9 | 10.5 | 6.6 | 6.6 | 6.6 | - | 5.9 | 5.9 | - | - | - | 52.5 |
| 59.1 | - | - | - | 9.9 | 10.1 | 10.1 | 8.3 | 8.5 | 9.2 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | - | - | - | 59.1 |
| 65.6 | - | - | - | 8.1 | 8.3 | 8.5 | 6.8 | 7.7 | 8.3 | 5.2 | 6.1 | 6.6 | 5.0 | 5.9 | 5.9 | - | - | - | 65.6 |
| 72.2 | - | - | - | 6.6 | 7.0 | 7.2 | 5.5 | 6.1 | 6.8 | 3.9 | 4.8 | 5.5 | 3.9 | 4.6 | 5.5 | - | - | - | 72.2 |
| 78.7 | - | - | - | 5.2 | 5.9 | 6.1 | 4.4 | 5.0 | 5.5 | 3.0 | 3.7 | 4.4 | 2.8 | 3.7 | 4.1 | - | - | - | 78.7 |
| 85.3 | - | - | - | 4.4 | 4.8 | 5.0 | 3.3 | 3.9 | 4.4 | 2.2 | 2.8 | 3.5 | 1.9 | 2.6 | 3.3 | - | - | - | 85.3 |
| 91.9 | - | - | - | 3.5 | 3.9 | - | 2.6 | 3.0 | 3.5 | 1.5 | 1.9 | 2.6 | 1.3 | 1.9 | 2.4 | - | - | - | 91.9 |
| 98.4 | - | - | - | 2.8 | 3.0 | - | 1.7 | 2.2 | 2.6 | - | 1.3 | 1.7 | - | 1.3 | 1.7 | - | - | - | 98.4 |
| 105.0 | - | - | - | 2.2 | 2.4 | - | 1.3 | 1.7 | 1.9 | - | - | 1.1 | - | - | 1.1 | - | - | - | 105.0 |
| 111.5 | - | - | - | 1.7 | - | - | - | 1.1 | 1.3 | - | - | - | - | - | - | - | - | - | 111.5 |
| 118.1 | - | - | - | 1.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 118.1 |

Operation

HAV

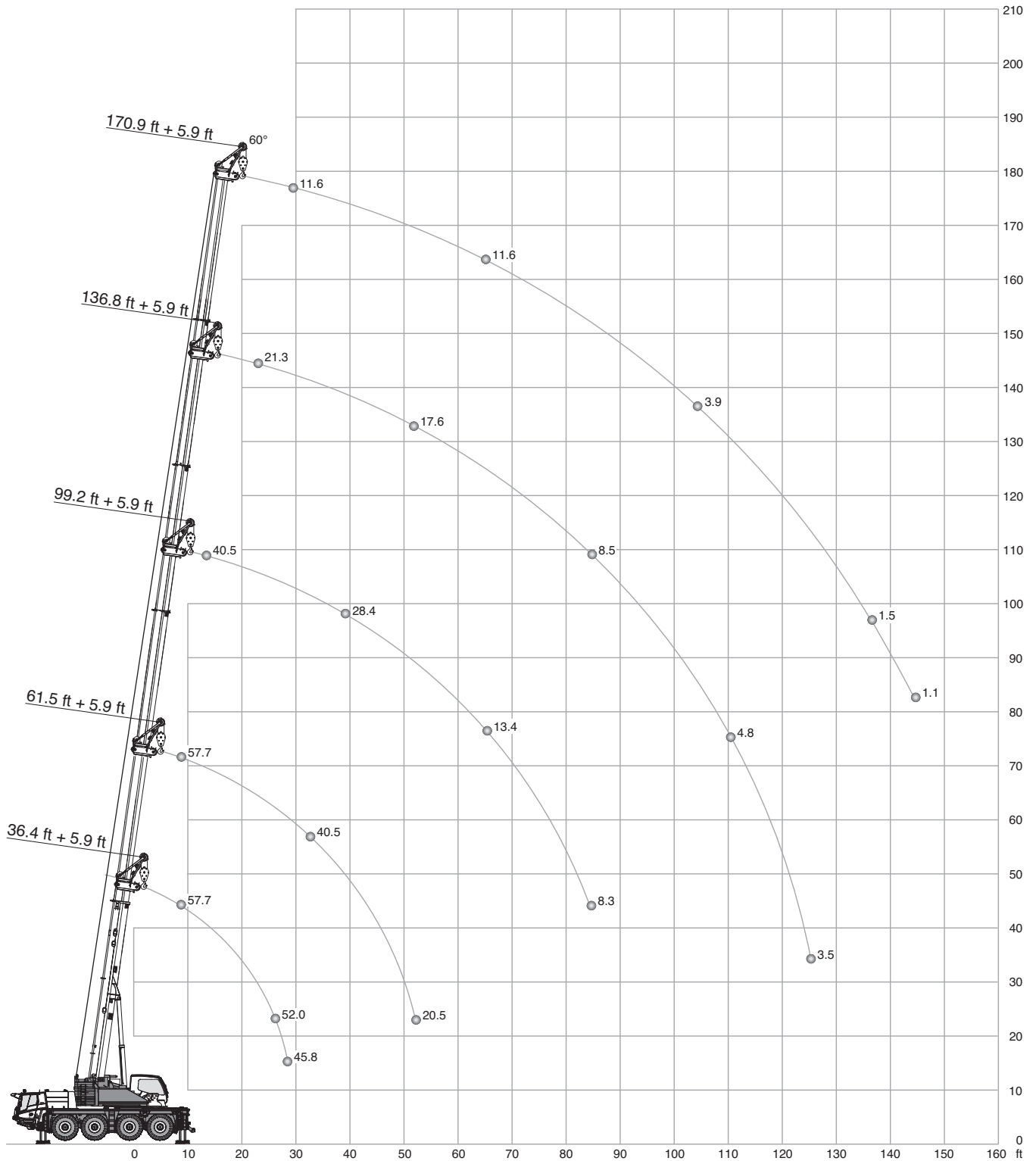
| 36,400 lbs | | | 21.0 ft x 25.9 ft | | | 52.5 ft | | | 360° | | | ASME B30.5 | | | | | |
|------------|-----------|------|-------------------|------|------|----------|-----|-----|----------|-----|-----|------------|-----|-----|-----|----|-------|
| 36.4 ft | | | 99.2 ft | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | |
| 0° | | | 20° | | | 40° | | | 0° | | | 20° | | | 40° | | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 16.4 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 17.4 | 15.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 17.4 | 14.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 16.7 | 13.6 | - | 10.8 | - | - | - | - | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 14.9 | 12.3 | 10.8 | 12.3 | 11.9 | - | - | - | - | - | - | - | - | - | - | - | 39.4 |
| 45.9 | 13.4 | 11.2 | 10.1 | 12.3 | 11.2 | - | 6.8 | 7.9 | - | - | 4.8 | - | - | - | - | - | 45.9 |
| 52.5 | 12.1 | 10.5 | 9.4 | 12.3 | 10.8 | 9.7 | 7.9 | 7.9 | - | - | 4.8 | - | - | - | - | - | 52.5 |
| 59.1 | 11.2 | 9.9 | 9.0 | 12.3 | 10.3 | 9.2 | 7.9 | 7.9 | - | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | 59.1 |
| 65.6 | 10.3 | 9.2 | 8.5 | 11.9 | 9.9 | 9.0 | 7.9 | 7.9 | 7.9 | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | 65.6 |
| 72.2 | 9.7 | 8.8 | - | 11.4 | 9.4 | 8.8 | 7.9 | 7.9 | 7.9 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | 72.2 |
| 78.7 | 9.2 | - | - | 9.9 | 9.4 | 8.3 | 7.9 | 7.9 | 7.9 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | 78.7 |
| 85.3 | - | - | - | 8.3 | 9.2 | 8.1 | 7.9 | 7.9 | 7.7 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | 85.3 |
| 91.9 | - | - | - | 7.0 | 8.1 | 8.1 | 7.0 | 7.7 | 7.2 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | 91.9 |
| 98.4 | - | - | - | 6.3 | 6.8 | 7.4 | 6.1 | 7.0 | 6.8 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | 98.4 |
| 105.0 | - | - | - | 6.1 | 5.7 | 6.3 | 5.7 | 5.9 | 6.6 | 4.8 | 4.8 | 4.6 | 4.4 | 4.4 | 4.4 | - | 105.0 |
| 111.5 | - | - | - | 5.2 | 5.0 | 5.2 | 5.0 | 5.5 | 5.7 | 4.6 | 4.8 | 4.4 | 4.4 | 4.4 | 4.4 | - | 111.5 |
| 118.1 | - | - | - | 4.6 | 4.8 | - | 4.6 | 4.8 | 4.8 | 3.7 | 4.6 | 4.1 | 3.7 | 4.4 | 4.1 | - | 118.1 |
| 124.7 | - | - | - | 3.9 | 4.4 | - | 4.1 | 4.1 | 4.6 | 3.0 | 3.9 | 4.1 | 3.0 | 3.7 | 3.9 | - | 124.7 |
| 131.2 | - | - | - | 3.5 | 3.7 | - | 3.5 | 3.9 | 3.9 | 2.6 | 3.3 | 3.7 | 2.4 | 3.3 | 3.7 | - | 131.2 |
| 137.8 | - | - | - | 3.3 | - | - | 3.0 | 3.5 | 3.7 | 1.9 | 2.6 | 3.0 | 1.9 | 2.6 | 3.0 | - | 137.8 |
| 144.4 | - | - | - | - | - | - | 2.6 | 2.8 | 3.0 | 1.5 | 2.2 | 2.4 | 1.5 | 2.2 | 2.4 | - | 144.4 |
| 150.9 | - | - | - | - | - | - | 2.2 | 2.4 | - | 1.1 | 1.7 | 1.9 | 1.1 | 1.5 | 1.9 | - | 150.9 |
| 157.5 | - | - | - | - | - | - | 1.7 | 1.9 | - | - | 1.3 | 1.5 | - | 1.1 | 1.5 | - | 157.5 |
| 164.0 | - | - | - | - | - | - | 1.3 | 1.5 | - | - | - | - | - | - | 1.1 | - | 164.0 |
| 170.6 | - | - | - | - | - | - | 1.1 | - | - | - | - | - | - | - | - | - | 170.6 |

Operation

HAV

| 24,250 lbs | | 21.0 ft x 25.9 ft | | | | | | 52.5 ft | | | 360° | | | ASME B30.5 | | | | |
|------------|-----------|-------------------|------|------|----------|-----|-----|----------|-----|-----|----------|-----|-----|------------|-----|-----|----|-------|
| 36.4 ft | | 99.2 ft | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | | ft | |
| 16.4 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 17.4 | 15.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 17.4 | 14.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 16.7 | 13.6 | - | 10.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 14.9 | 12.3 | 10.8 | 12.3 | 11.9 | - | - | - | - | - | - | - | - | - | - | - | - | 39.4 |
| 45.9 | 13.4 | 11.2 | 10.1 | 12.3 | 11.2 | - | 6.8 | 7.9 | - | - | - | - | - | - | - | - | - | 45.9 |
| 52.5 | 12.1 | 10.5 | 9.4 | 12.3 | 10.8 | 9.7 | 7.9 | 7.9 | - | - | 4.8 | - | - | - | - | - | - | 52.5 |
| 59.1 | 11.2 | 9.9 | 9.0 | 12.3 | 10.3 | 9.2 | 7.9 | 7.9 | - | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | - | 59.1 |
| 65.6 | 10.3 | 9.2 | 8.5 | 10.8 | 9.9 | 9.0 | 7.9 | 7.9 | 7.9 | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | - | 65.6 |
| 72.2 | 9.7 | 8.8 | - | 8.8 | 9.4 | 8.8 | 7.9 | 7.9 | 7.9 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | - | 72.2 |
| 78.7 | 9.2 | - | - | 7.9 | 8.5 | 8.3 | 6.8 | 7.9 | 7.9 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | - | 78.7 |
| 85.3 | - | - | - | 7.0 | 7.0 | 7.9 | 6.1 | 7.0 | 7.7 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | - | 85.3 |
| 91.9 | - | - | - | 6.1 | 5.9 | 6.6 | 5.5 | 6.1 | 6.8 | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | - | - | 91.9 |
| 98.4 | - | - | - | 5.7 | 5.5 | 5.5 | 5.2 | 5.5 | 5.7 | 4.1 | 4.8 | 4.8 | 3.9 | 4.4 | 4.4 | - | - | 98.4 |
| 105.0 | - | - | - | 5.0 | 5.2 | 4.8 | 4.4 | 4.8 | 5.2 | 3.3 | 4.4 | 4.6 | 3.3 | 4.1 | 4.4 | - | - | 105.0 |
| 111.5 | - | - | - | 4.6 | 4.6 | 4.8 | 3.7 | 4.4 | 4.4 | 2.6 | 3.5 | 4.1 | 2.6 | 3.5 | 4.1 | - | - | 111.5 |
| 118.1 | - | - | - | 4.1 | 3.9 | - | 3.0 | 3.7 | 4.1 | 1.9 | 2.8 | 3.5 | 1.9 | 2.8 | 3.5 | - | - | 118.1 |
| 124.7 | - | - | - | 3.7 | 3.7 | - | 2.4 | 3.0 | 3.5 | 1.5 | 2.2 | 2.8 | 1.3 | 2.2 | 2.6 | - | - | 124.7 |
| 131.2 | - | - | - | 3.0 | 3.3 | - | 1.9 | 2.4 | 2.8 | 1.1 | 1.7 | 2.2 | - | 1.5 | 2.2 | - | - | 131.2 |
| 137.8 | - | - | - | 2.6 | - | - | 1.5 | 1.9 | 2.2 | - | 1.1 | 1.5 | - | 1.1 | 1.5 | - | - | 137.8 |
| 144.4 | - | - | - | - | - | - | 1.1 | 1.5 | 1.7 | - | - | 1.1 | - | - | 1.1 | - | - | 144.4 |
| 150.9 | - | - | - | - | - | - | - | 1.1 | - | - | - | - | - | - | - | - | - | 150.9 |

| 7,500 lbs | | 21.0 ft x 25.9 ft | | | | | | 52.5 ft | | | 360° | | | ASME B30.5 | | | | |
|-----------|-----------|-------------------|------|------|----------|-----|-----|----------|-----|-----|----------|-----|-----|------------|-----|-----|----|-------|
| 36.4 ft | | 99.2 ft | | | 136.8 ft | | | 161.1 ft | | | 170.9 ft | | | | | | | |
| 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | 0° | | 20° | | 40° | | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | | ft | |
| 16.4 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 17.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.0 |
| 26.2 | 17.4 | 15.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.2 |
| 29.5 | 17.4 | 14.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.5 |
| 32.8 | 16.7 | 13.6 | - | 10.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | 32.8 |
| 39.4 | 14.9 | 12.3 | 10.8 | 12.3 | 11.9 | - | - | - | - | - | - | - | - | - | - | - | - | 39.4 |
| 45.9 | 13.4 | 11.2 | 10.1 | 11.9 | 11.2 | - | 6.8 | 7.9 | - | - | - | - | - | - | - | - | - | 45.9 |
| 52.5 | 12.1 | 10.5 | 9.4 | 10.8 | 10.8 | 9.7 | 7.9 | 7.9 | - | - | 4.8 | - | - | - | - | - | - | 52.5 |
| 59.1 | 11.2 | 9.9 | 9.0 | 9.2 | 9.4 | 9.2 | 6.8 | 7.9 | - | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | - | 59.1 |
| 65.6 | 9.2 | 9.2 | 8.5 | 8.1 | 7.4 | 9.0 | 6.1 | 6.8 | 7.9 | 4.8 | 4.8 | - | 4.4 | 4.4 | - | - | - | 65.6 |
| 72.2 | 7.9 | 8.3 | - | 7.0 | 7.0 | 7.2 | 5.5 | 6.1 | 6.8 | 4.1 | 4.8 | 4.8 | 3.9 | 4.4 | 4.4 | - | - | 72.2 |
| 78.7 | 6.6 | - | - | 5.9 | 6.3 | 5.7 | 4.6 | 5.5 | 5.9 | 3.3 | 4.6 | 4.8 | 3.0 | 4.4 | 4.4 | - | - | 78.7 |
| 85.3 | - | - | - | 5.0 | 5.2 | 5.5 | 3.7 | 4.8 | 5.2 | 2.4 | 3.5 | 4.6 | 2.2 | 3.5 | 4.4 | - | - | 85.3 |
| 91.9 | - | - | - | 4.1 | 4.8 | 4.8 | 2.8 | 3.9 | 4.6 | 1.7 | 2.8 | 3.7 | 1.5 | 2.6 | 3.5 | - | - | 91.9 |
| 98.4 | - | - | - | 3.3 | 3.9 | 4.4 | 2.2 | 3.0 | 3.7 | 1.1 | 1.9 | 2.8 | - | 1.9 | 2.8 | - | - | 98.4 |
| 105.0 | - | - | - | 2.8 | 3.3 | 3.7 | 1.5 | 2.4 | 3.0 | - | 1.5 | 2.2 | - | 1.3 | 1.9 | - | - | 105.0 |
| 111.5 | - | - | - | 2.2 | 2.6 | 3.0 | 1.1 | 1.7 | 2.2 | - | - | 1.5 | - | - | 1.5 | - | - | 111.5 |
| 118.1 | - | - | - | 1.7 | 2.2 | - | - | 1.3 | 1.7 | - | - | - | - | - | - | - | - | 118.1 |
| 124.7 | - | - | - | 1.3 | 1.5 | - | - | - | 1.1 | - | - | - | - | - | - | - | - | 124.7 |
| 131.2 | - | - | - | - | 1.1 | - | - | - | - | - | - | - | - | - | - | - | - | 131.2 |



Operation

MS

| 36,400 lbs | | 21.0 ft x 25.9 ft | | | | | | 5.9 ft | | | 360° | | | ASME B30.5 | | | |
|------------|-----------|-------------------|------|------|---------|------|------|----------|------|-----|----------|------|-----|------------|------|-----|-------|
| 36.4 ft | | 61.5 ft | | | 99.2 ft | | | 136.8 ft | | | 170.9 ft | | | | | | |
| 20° | | 40° | | 60° | | 20° | | 40° | | 60° | | 20° | | 40° | | 60° | |
| ft | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 8.2 | - | - | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 8.2 |
| 9.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 40.5 | - | - | - | - | - | - | - | 13.1 |
| 14.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 14.8 |
| 16.4 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 57.7 | 57.7 | 55.5 | - | 57.7 | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 57.7 | 57.7 | 53.5 | - | 57.7 | 56.6 | - | - | 44.3 | - | - | 21.3 | - | - | - | - | 23.0 |
| 26.2 | 51.8 | 52.0 | 52.0 | - | 51.8 | 51.8 | - | - | 40.1 | - | - | 21.3 | - | - | - | - | 26.2 |
| 29.5 | 45.4 | 45.8 | 45.8 | - | 45.4 | 45.8 | - | - | 36.5 | - | - | 21.3 | - | - | 11.6 | - | 29.5 |
| 32.8 | 35.4 | 37.9 | 38.8 | - | 40.3 | 40.5 | - | 34.3 | 33.5 | - | - | 21.3 | - | - | 11.6 | - | 32.8 |
| 39.4 | - | - | - | 31.9 | 31.9 | 32.1 | - | 31.0 | 28.4 | - | - | 21.3 | - | - | 11.6 | - | 39.4 |
| 45.9 | - | - | - | 25.3 | 25.7 | 25.7 | - | 25.3 | 25.7 | - | - | 19.6 | - | - | 11.6 | - | 45.9 |
| 52.5 | - | - | - | 20.5 | 20.5 | 20.5 | - | 20.0 | 20.2 | - | 17.8 | 17.6 | - | - | 11.6 | - | 52.5 |
| 59.1 | - | - | - | - | 15.8 | 15.8 | - | 16.3 | 16.5 | - | 15.6 | 15.8 | - | - | 11.6 | - | 59.1 |
| 65.6 | - | - | - | - | - | - | 13.4 | 13.4 | 13.4 | - | 12.7 | 13.0 | - | - | 11.6 | - | 65.6 |
| 72.2 | - | - | - | - | - | - | 11.2 | 11.2 | 11.4 | - | 11.6 | 11.4 | - | 11.0 | 11.0 | - | 72.2 |
| 78.7 | - | - | - | - | - | - | 9.2 | 9.4 | 9.4 | - | 9.7 | 9.9 | - | 9.4 | 9.7 | - | 78.7 |
| 85.3 | - | - | - | - | - | - | 8.3 | 8.3 | 8.3 | - | 8.5 | 8.5 | - | 7.9 | 8.1 | - | 85.3 |
| 91.9 | - | - | - | - | - | - | 7.9 | 7.7 | 7.7 | 7.4 | 7.7 | 7.7 | - | 6.6 | 6.8 | - | 91.9 |
| 98.4 | - | - | - | - | - | - | - | - | - | 6.3 | 6.6 | 6.6 | - | 5.5 | 5.7 | - | 98.4 |
| 105.0 | - | - | - | - | - | - | - | - | - | 5.5 | 5.5 | 5.7 | - | 4.6 | 4.6 | - | 105.0 |
| 111.5 | - | - | - | - | - | - | - | - | - | 4.6 | 4.8 | 4.8 | - | 3.7 | 3.9 | - | 111.5 |
| 118.1 | - | - | - | - | - | - | - | - | - | 3.9 | 3.9 | 4.1 | 3.0 | 3.0 | 3.0 | - | 118.1 |
| 124.7 | - | - | - | - | - | - | - | - | - | 3.3 | 3.5 | 3.5 | 2.4 | 2.4 | 2.6 | - | 124.7 |
| 131.2 | - | - | - | - | - | - | - | - | - | 2.8 | 2.8 | 2.8 | 1.7 | 1.9 | 1.9 | - | 131.2 |
| 137.8 | - | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 1.3 | 1.5 | - | 137.8 |
| 144.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.1 | - | 144.4 |

Operation

MS

| 26,900 lbs | | 21.0 ft x 25.9 ft | | | | | | 5.9 ft | | | 360° | | | ASME B30.5 | | | | |
|------------|------|-------------------|------|------|---------|------|------|---------|------|-----|----------|------|-----|------------|------|-----|-------|--|
| | | 36.4 ft | | | 61.5 ft | | | 99.2 ft | | | 136.8 ft | | | 170.9 ft | | | | |
| | | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 8.2 | - | - | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 40.5 | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 14.8 | |
| 16.4 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 16.4 | |
| 19.7 | 57.7 | 57.7 | 55.5 | - | 57.7 | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 19.7 | |
| 23.0 | 56.8 | 57.5 | 53.5 | - | 57.0 | 56.6 | - | - | 44.3 | - | - | 21.3 | - | - | - | - | 23.0 | |
| 26.2 | 49.3 | 49.8 | 50.0 | - | 49.3 | 49.8 | - | - | 40.1 | - | - | 21.3 | - | - | - | - | 26.2 | |
| 29.5 | 43.2 | 43.6 | 43.6 | - | 43.2 | 43.6 | - | - | 36.5 | - | - | 21.3 | - | - | 11.6 | - | 29.5 | |
| 32.8 | 35.4 | 37.6 | 37.9 | - | 37.4 | 37.9 | - | 34.3 | 32.6 | - | - | 21.3 | - | - | 11.6 | - | 32.8 | |
| 39.4 | - | - | - | 27.7 | 28.2 | 28.4 | - | 26.8 | 27.1 | - | - | 21.3 | - | - | 11.6 | - | 39.4 | |
| 45.9 | - | - | - | 22.2 | 21.6 | 21.6 | - | 21.1 | 21.3 | - | - | 18.9 | - | - | 11.6 | - | 45.9 | |
| 52.5 | - | - | - | 17.6 | 17.8 | 17.8 | - | 16.7 | 16.7 | - | 15.8 | 15.6 | - | - | 11.6 | - | 52.5 | |
| 59.1 | - | - | - | - | 13.6 | 13.6 | - | 13.4 | 13.6 | - | 13.6 | 13.8 | - | - | 11.6 | - | 59.1 | |
| 65.6 | - | - | - | - | - | - | 10.8 | 11.0 | 11.0 | - | 11.4 | 11.4 | - | - | 10.8 | - | 65.6 | |
| 72.2 | - | - | - | - | - | - | 9.9 | 9.7 | 9.7 | - | 9.9 | 10.1 | - | 8.8 | 9.0 | - | 72.2 | |
| 78.7 | - | - | - | - | - | - | 9.0 | 9.0 | 9.0 | - | 8.3 | 8.3 | - | 7.2 | 7.4 | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 7.7 | 7.9 | 7.9 | - | 7.0 | 7.0 | - | 5.9 | 6.1 | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | 6.6 | 6.8 | 6.8 | 5.7 | 5.7 | 5.9 | - | 4.8 | 5.0 | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | - | - | 4.8 | 4.8 | 4.8 | - | 3.9 | 3.9 | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | - | 3.9 | 3.9 | 3.9 | - | 3.0 | 3.0 | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | - | 3.3 | 3.3 | 3.3 | - | 2.4 | 2.4 | - | 111.5 | |
| 118.1 | - | - | - | - | - | - | - | - | - | 2.6 | 2.6 | 2.6 | - | 1.7 | 1.7 | - | 118.1 | |
| 124.7 | - | - | - | - | - | - | - | - | - | 1.9 | 2.2 | 2.2 | - | 1.1 | 1.3 | - | 124.7 | |
| 131.2 | - | - | - | - | - | - | - | - | - | 1.5 | 1.5 | 1.5 | - | - | - | - | 131.2 | |

| 24,250 lbs | | 21.0 ft x 25.9 ft | | | | | | 5.9 ft | | | 360° | | | ASME B30.5 | | | | |
|------------|------|-------------------|------|------|---------|------|------|---------|------|-----|----------|------|-----|------------|------|-----|-------|--|
| | | 36.4 ft | | | 61.5 ft | | | 99.2 ft | | | 136.8 ft | | | 170.9 ft | | | | |
| | | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 8.2 | - | - | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 8.2 | |
| 9.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 9.8 | |
| 11.5 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | 11.5 | |
| 13.1 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 40.5 | - | - | - | - | - | - | - | 13.1 | |
| 14.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 14.8 | |
| 16.4 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 16.4 | |
| 19.7 | 57.7 | 57.7 | 55.5 | - | 57.7 | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | 19.7 | |
| 23.0 | 56.2 | 56.6 | 53.5 | - | 56.4 | 56.6 | - | - | 44.3 | - | - | 21.3 | - | - | - | - | 23.0 | |
| 26.2 | 48.7 | 49.1 | 49.3 | - | 48.7 | 49.1 | - | - | 40.1 | - | - | 21.3 | - | - | - | - | 26.2 | |
| 29.5 | 42.5 | 42.9 | 43.2 | - | 42.1 | 42.7 | - | - | 35.9 | - | - | 21.3 | - | - | 11.6 | - | 29.5 | |
| 32.8 | 35.4 | 36.1 | 36.1 | - | 35.9 | 36.1 | - | 32.8 | 31.3 | - | - | 21.3 | - | - | 11.6 | - | 32.8 | |
| 39.4 | - | - | - | 26.4 | 26.8 | 27.1 | - | 25.5 | 25.7 | - | - | 21.3 | - | - | 11.6 | - | 39.4 | |
| 45.9 | - | - | - | 21.1 | 21.3 | 20.9 | - | 20.0 | 20.2 | - | - | 17.8 | - | - | 11.6 | - | 45.9 | |
| 52.5 | - | - | - | 16.7 | 16.7 | 16.9 | - | 15.8 | 16.0 | - | 15.6 | 15.6 | - | - | 11.6 | - | 52.5 | |
| 59.1 | - | - | - | - | 12.7 | 12.7 | - | 12.5 | 12.7 | - | 12.7 | 13.0 | - | - | 11.6 | - | 59.1 | |
| 65.6 | - | - | - | - | - | - | 10.8 | 10.8 | 10.5 | - | 11.2 | 11.2 | - | - | 9.9 | - | 65.6 | |
| 72.2 | - | - | - | - | - | - | 9.9 | 9.7 | 9.7 | - | 9.2 | 9.4 | - | 8.1 | 8.3 | - | 72.2 | |
| 78.7 | - | - | - | - | - | - | 8.5 | 8.5 | 8.5 | - | 7.7 | 7.9 | - | 6.8 | 6.8 | - | 78.7 | |
| 85.3 | - | - | - | - | - | - | 7.2 | 7.2 | 7.2 | - | 6.3 | 6.6 | - | 5.5 | 5.5 | - | 85.3 | |
| 91.9 | - | - | - | - | - | - | 6.1 | 6.1 | 6.1 | 5.2 | 5.2 | 5.2 | - | 4.4 | 4.4 | - | 91.9 | |
| 98.4 | - | - | - | - | - | - | - | - | - | 4.1 | 4.4 | 4.4 | - | 3.5 | 3.5 | - | 98.4 | |
| 105.0 | - | - | - | - | - | - | - | - | - | 3.5 | 3.5 | 3.7 | - | 2.6 | 2.6 | - | 105.0 | |
| 111.5 | - | - | - | - | - | - | - | - | - | 2.8 | 2.8 | 2.8 | - | 1.9 | 1.9 | - | 111.5 | |
| 118.1 | - | - | - | - | - | - | - | - | - | 2.2 | 2.2 | 2.4 | - | 1.3 | 1.3 | - | 118.1 | |
| 124.7 | - | - | - | - | - | - | - | - | - | 1.7 | 1.7 | 1.7 | - | - | - | - | 124.7 | |
| 131.2 | - | - | - | - | - | - | - | - | - | 1.3 | 1.3 | 1.3 | - | - | - | - | 131.2 | |

Operation

MS

| 7,500 lbs | | 21.0 ft x 25.9 ft | | | | | | 5.9 ft | | | 360° | | | ASME B30.5 | | | | |
|-----------|------|-------------------|------|------|---------|------|-----|---------|------|-----|----------|------|-----|------------|-----|------|----|------|
| | | 36.4 ft | | | 61.5 ft | | | 99.2 ft | | | 136.8 ft | | | 170.9 ft | | | | |
| | | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | 20° | 40° | 60° | | |
| ft | | 1,000 lbs | | | | | | | | | | | | | | | ft | |
| 8.2 | - | - | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | - | 8.2 |
| 9.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | - | 9.8 |
| 11.5 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | - | - | - | - | - | - | - | - | - | 11.5 |
| 13.1 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 40.5 | - | - | - | - | - | - | - | - | 13.1 |
| 14.8 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | - | 14.8 |
| 16.4 | - | 57.7 | 57.7 | - | - | 57.7 | - | - | 45.6 | - | - | - | - | - | - | - | - | 16.4 |
| 19.7 | 57.7 | 57.7 | 55.5 | - | 54.4 | 55.3 | - | - | 43.6 | - | - | - | - | - | - | - | - | 19.7 |
| 23.0 | 49.6 | 50.2 | 50.9 | - | 44.5 | 45.1 | - | - | 37.0 | - | - | 21.3 | - | - | - | - | - | 23.0 |
| 26.2 | 37.4 | 37.9 | 38.3 | - | 36.3 | 36.8 | - | - | 31.3 | - | - | 21.3 | - | - | - | - | - | 26.2 |
| 29.5 | 29.5 | 29.9 | 30.2 | - | 30.2 | 30.8 | - | - | 26.6 | - | - | 21.3 | - | - | - | - | - | 29.5 |
| 32.8 | 24.0 | 24.2 | 24.4 | - | 26.4 | 25.5 | - | 22.4 | 22.7 | - | - | 18.9 | - | - | - | 11.6 | - | 32.8 |
| 39.4 | - | - | - | 18.2 | 18.7 | 18.9 | - | 17.1 | 17.1 | - | - | 16.0 | - | - | - | 11.6 | - | 39.4 |
| 45.9 | - | - | - | 13.6 | 13.8 | 14.1 | - | 14.7 | 14.3 | - | - | 13.2 | - | - | - | 10.8 | - | 45.9 |
| 52.5 | - | - | - | 10.3 | 10.5 | 10.5 | - | 11.6 | 11.9 | - | 10.3 | 10.5 | - | - | - | 8.5 | - | 52.5 |
| 59.1 | - | - | - | - | 7.2 | 7.2 | - | 9.2 | 9.4 | - | 8.3 | 8.3 | - | - | - | 6.6 | - | 59.1 |
| 65.6 | - | - | - | - | - | - | 7.2 | 7.4 | 7.4 | - | 6.6 | 6.6 | - | - | - | 5.2 | - | 65.6 |
| 72.2 | - | - | - | - | - | - | 5.7 | 5.9 | 5.9 | - | 5.0 | 5.0 | - | 3.7 | 3.9 | - | - | 72.2 |
| 78.7 | - | - | - | - | - | - | 4.6 | 4.8 | 4.8 | - | 3.9 | 3.9 | - | 2.8 | 2.8 | - | - | 78.7 |
| 85.3 | - | - | - | - | - | - | 3.7 | 3.7 | 3.7 | - | 2.8 | 3.0 | - | 1.9 | 1.9 | - | - | 85.3 |
| 91.9 | - | - | - | - | - | - | 2.8 | 3.0 | 3.0 | - | 1.9 | 2.2 | - | 1.1 | 1.3 | - | - | 91.9 |
| 98.4 | - | - | - | - | - | - | - | - | - | - | 1.3 | 1.5 | - | - | - | - | - | 98.4 |

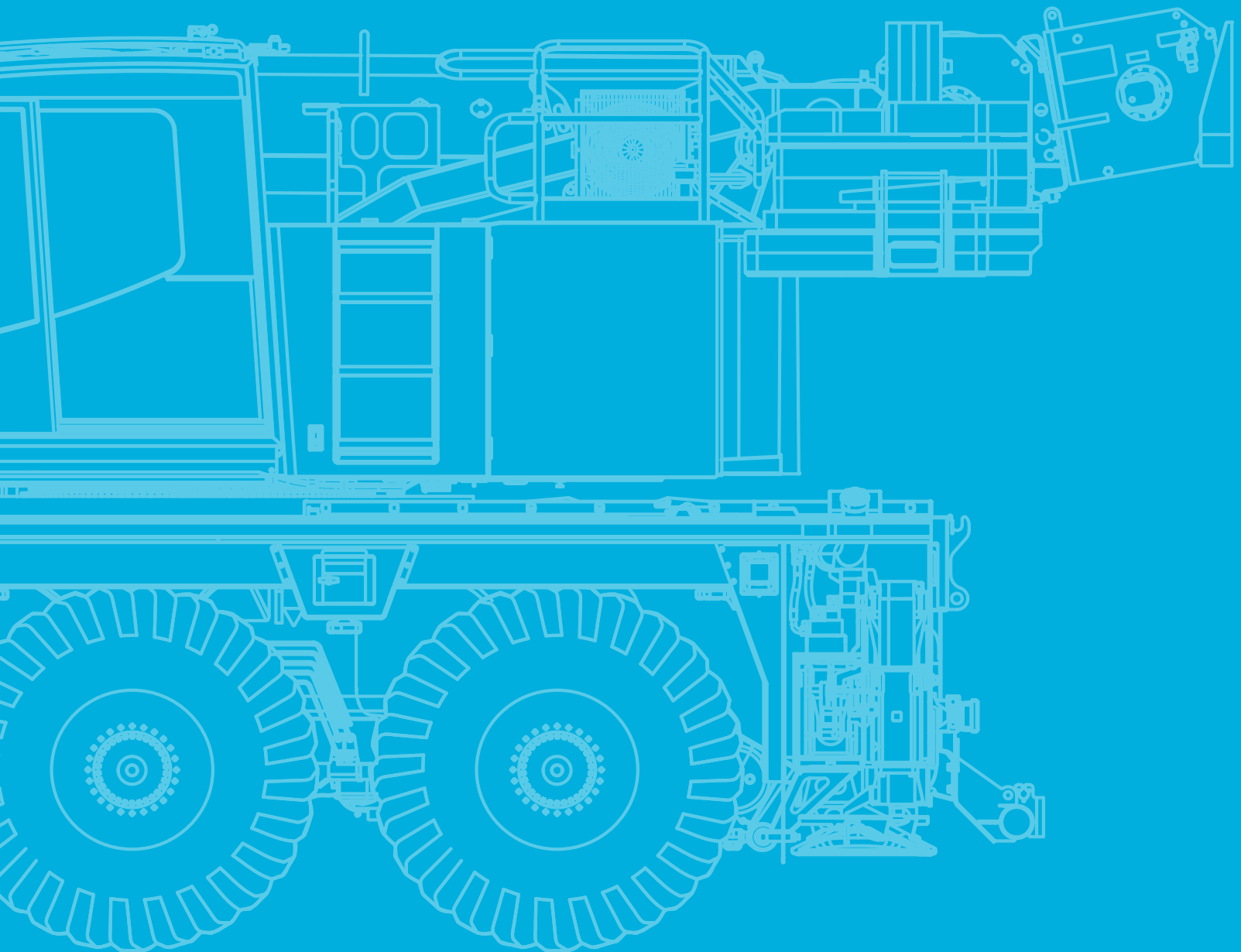
Notes to Lifting Capacity

Ratings are in compliance with ASME B30.5.
Lifting capacities do not exceed 85 % of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.
Consult operation manual for further details.

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

TECHNICAL DESCRIPTION



Technical Description

Basic machine

Equipment carrier

| | |
|--------------------------------------|--|
| Engine 340-5 | Mercedes-Benz OM471LA; Diesel engine; Output 340 kW / 1600 1/min (462 HP), torque 2200 Nm / 1300 1/min; The engine complies with EU Stage V/Tier 4F; Exhaust system complete stainless steel with SCR catalyzer. |
| Fuel tank | 160 gallons Diesel (no RME / biodiesel); 11 gallons Ad-Blue tank. |
| Transmission ZF TraXon | Automated gearbox with 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock. |
| Axles 8 x 6 x 8 | All 4 axles steered, axles 2-4 driven and equipped with selectable transverse lock. |
| Suspension | Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively. |
| Steering | Dual circuit hydro servocom steering with emergency steering pump; Active rear axle steering. |
| Brakes | Pneumatic dual circuit service brake with antilock system, acting on all wheels; Disc brakes; Additional, double-speed decompression brake; Spring-loaded parking brake. |
| Tires | Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7" |
| Cab 2490 | Type 8.2 ft; Adjustable driver seat, armrests and pneumatic suspension; Height and tilt-adjustable steering wheel; Auxiliary/passenger seat; Powered door windows; Tinted glass; Radio; Seat heating; Heating engine-dependent; Aircondition. |
| Rear view camera | Display in carrier cab; Cameras installed on rear of vehicle. |
| Drive lights | Including low beam, upper beam, daytime running lights, fog lights and cornering lights. |
| Central lubrication | Automatic central lubrication system for the lubricating points at the carrier. |
| Outriggers | H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 4 outrigger bases: 7.9 ft, 14.4 ft, 17.7 ft and 21.0 ft. 4 square outrigger pads with transport position at vertical cylinder. |
| Outrigger basis monitoring | Individual monitoring of horizontal stroke; Deviation warning in crane cab. |
| Outrigger load indicator | The outrigger load is indicated in the operator cab and the outrigger control box. |
| Electronic immobiliser system | Prevents uncontrolled carrier mobilisation; Incl. 4 ignition keys. |
| Pneumatic tire filling plug | For self-filling of the wheels. |

Equipment superstructure

| | |
|---------------------------------|--|
| Engine 129-5 | Mercedes-Benz OM934LA; Diesel engine; Output 129 kW / 2200 1/min (175 HP), torque 750 Nm / 1200-1600 1/min; The engine complies with EU Stage V/Tier 4F; Exhaust system complete stainless steel with SCR catalyzer. |
| Telescopic boom HA52 | 36.4 ft – 170.9 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head for max. capacity of 137,800 lbs. |
| Boom luffing | 1 luffing cylinder with automatic lowering brake valve. |
| Rotary drive | Single slewing gear unit with spring-loaded multi-disc brake. |
| H1 | Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator). |
| Counterweight 24,250 lbs | 9 pieces (①, 2 x ②, ③, ⑤, 2 x ⑥, ⑦, ⑧). |
| Control system | Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits. |
| Operator aids | AML-F, with integrated electronic load moment indicator in accordance with EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger. |
| SmartChart | Smart crane control system for main boom and rooster sheave operation enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Visualization of full working area in operator cabin. In-cab lift simulation. |
| Working range limiter | Displaying and programmability of the work range limits by AML-F. |
| Lift adjuster | Safety device which prevents the load from swinging out when the load is picked up and the released hook block from swinging when the load is set down; Activated by switch in operator cabin. |
| Cab 872 | Type 2.86 ft; 12° tiltable seat incl. control panel; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor; Radio; Seat heating; Heating engine-dependent and engine-independent; Aircondition. |
| Central lubrication | Automatic central lubrication system for the lubricating points at the superstructure. |

Technical Description

Additional equipment

Carrier

| | |
|----------------------------------|---|
| Axles 8 x 8 x 8 | All 4 axles steered, all axles driven and equipped with selectable transverse lock. |
| Wear-free auxiliary brake | Wear-free auxiliary eddy-current brake. |
| Tires | 8 tires; Tire size 445/95R25 (16.00R25) or 525/80 (20.5R25). |
| TailGUARD | Reversing assistant for a safe reversing with optical and acoustical warnings and automatic brake system. |

Superstructure

| | |
|--|--|
| Telescopic boom HA44 | 36.1 ft - 144.4 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head for max. capacity of 137,800 lbs. |
| 2. hoist (H2) | Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Quick couplings; Incl. hoist monitoring. |
| Additional counterweight 12,100 lbs | 2 pieces (③+④); for total 36,400 lbs, 11 pieces. |
| Load supervision camera | Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head. |
| Heavy-lift attachment | 2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity 154,300 lbs. |

Handling

| | |
|-----------------------|--|
| Remote control | Control of superstructure movements via wireless remote control. |
|-----------------------|--|

Extensions

| | |
|--------------------|--|
| HAV 52.5 ft | Double folding swing-away jib, manual offset 20°/40°; 1-sheave head; Incl. transport storage. |
| HAV-HY | Hydraulic, stepless offset 0°-40°, instead of the manual offset; Available for HAV. |
| MS (runner) | 5.9 ft; Variable assembly jib with manual offset; 3-sheaves, for max. 57,700 lbs lifting capacity. |

Hook Blocks

| | |
|--|---|
| Hook block 176,400 lbs, 9-sheaves | Max. capacity 154,350 lbs; 1,870 lbs; Double hook, red with white signal stripes. |
| Hook block 138,900 lbs 7-sheaves | Max. capacity 140,900 lbs; 1,430 lbs; Double hook, red with white signal stripes. |
| Hook block 110,200 lbs, 5-sheaves | Max. capacity 104,500 lbs; 1,050 lbs; Double hook, red with white signal stripes. |
| Hook block 70,500 lbs, 3-sheaves | Max. capacity 67,250 lbs; 660 lbs; Double hook, red with white signal stripes. |
| Hook block 70,500 lbs, 3-sheaves | Max. capacity 67,250 lbs; 660 lbs; Single hook, red with white signal stripes. |
| Hook block 35,300 lbs 1-sheave | Max. capacity 29,100 lbs; 420 lbs; Single hook, red with white signal stripes. |
| Hook 13,200 lbs | Max. capacity 9,900 lbs; 390 lbs; Single hook, red. |

Further additional equipment on request!

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

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