

300 TON ALL TERRAIN



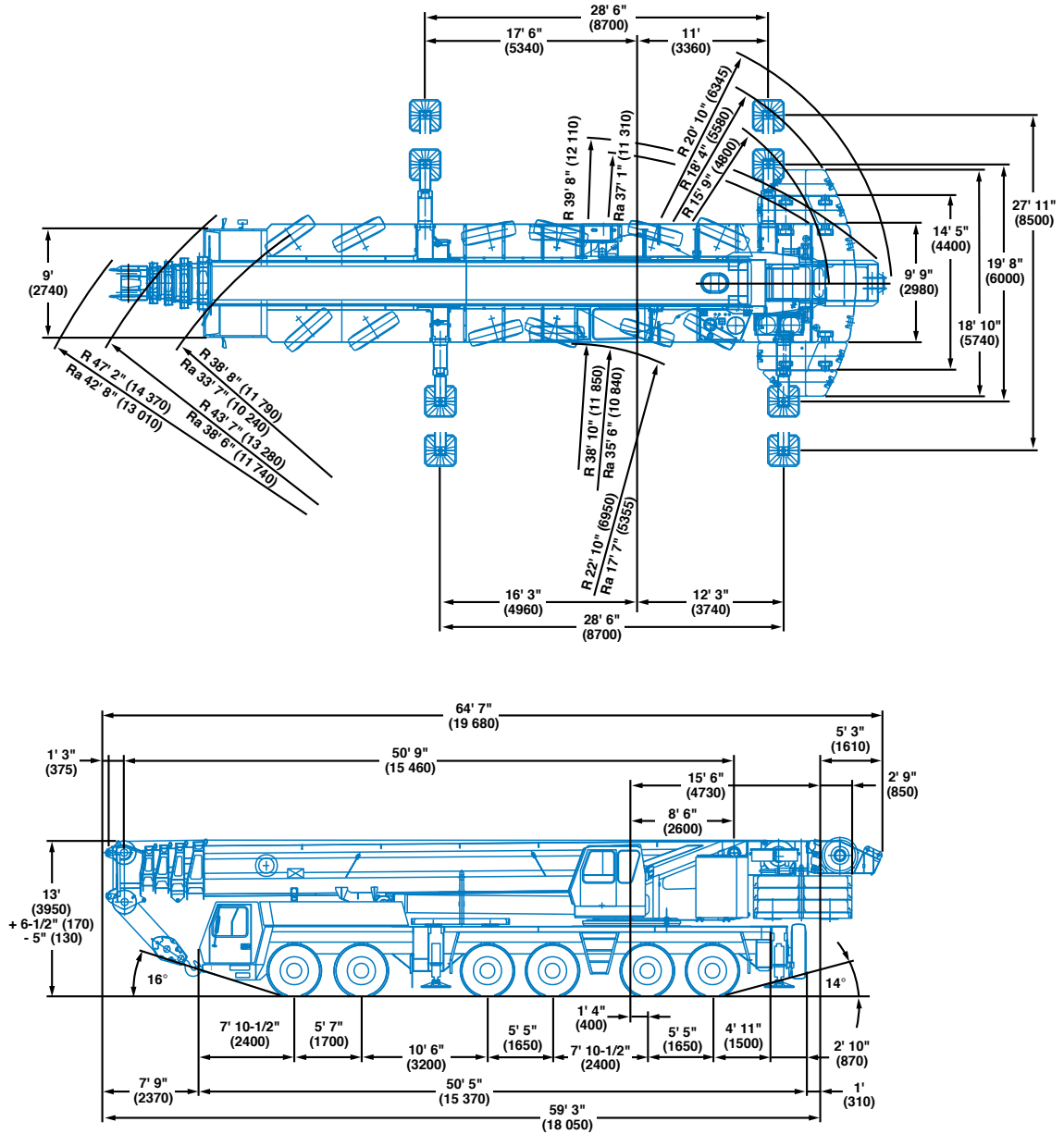
NESS & CAMPBELL
CRANE, INC.



Notes:



Dimensions



Note: () Reference dimensions in mm

| BASIC WEIGHTS (LBS.) | Axles 1 & 2 | Axles 3 - 6 | Total |
|--|-------------|-------------|-----------|
| With Mercedes Power | 50,278 | 107,369 | 157,648 |
| With Cummins Power | 50,640 | 107,713 | 158,353 |
| Additions: | | | |
| Outrigger Pads | - | 772 | 772 |
| Removable rear outrigger box option | -(1,197) | 3,402 | 2,205 |
| Auxiliary Hoist | -(5,362) | 11,446 | 6,081 |
| Removal: | | | |
| Front Outrigger Beams & Jacks | -(3,377) | -(1,980) | -(5,357) |
| Rear Outrigger Beams & Jacks | 3,732 | -(9,652) | -(5,920) |
| Outrigger Box (must add weight above for option) | 6,457 | -(16,819) | -(10,362) |
| Substitute 14.00 tires for standard 20.5 | -(900) | -(1,800) | -(2,700) |
| Boom Assembly (minus lift cylinder)* | -(32,245) | -(23,995) | -(56,240) |
| Telescope Sections 1-4* | -(23,034) | -(13,783) | -(36,817) |
| Lift Cylinder* | -(2,121) | -(3,258) | -(5,379) |

*Reflects weights with superstructure facing forward



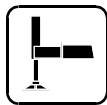
Working range



51 - 197 ft.
(15.5 - 60 m)



220,458 lbs.
(100 000 kg)

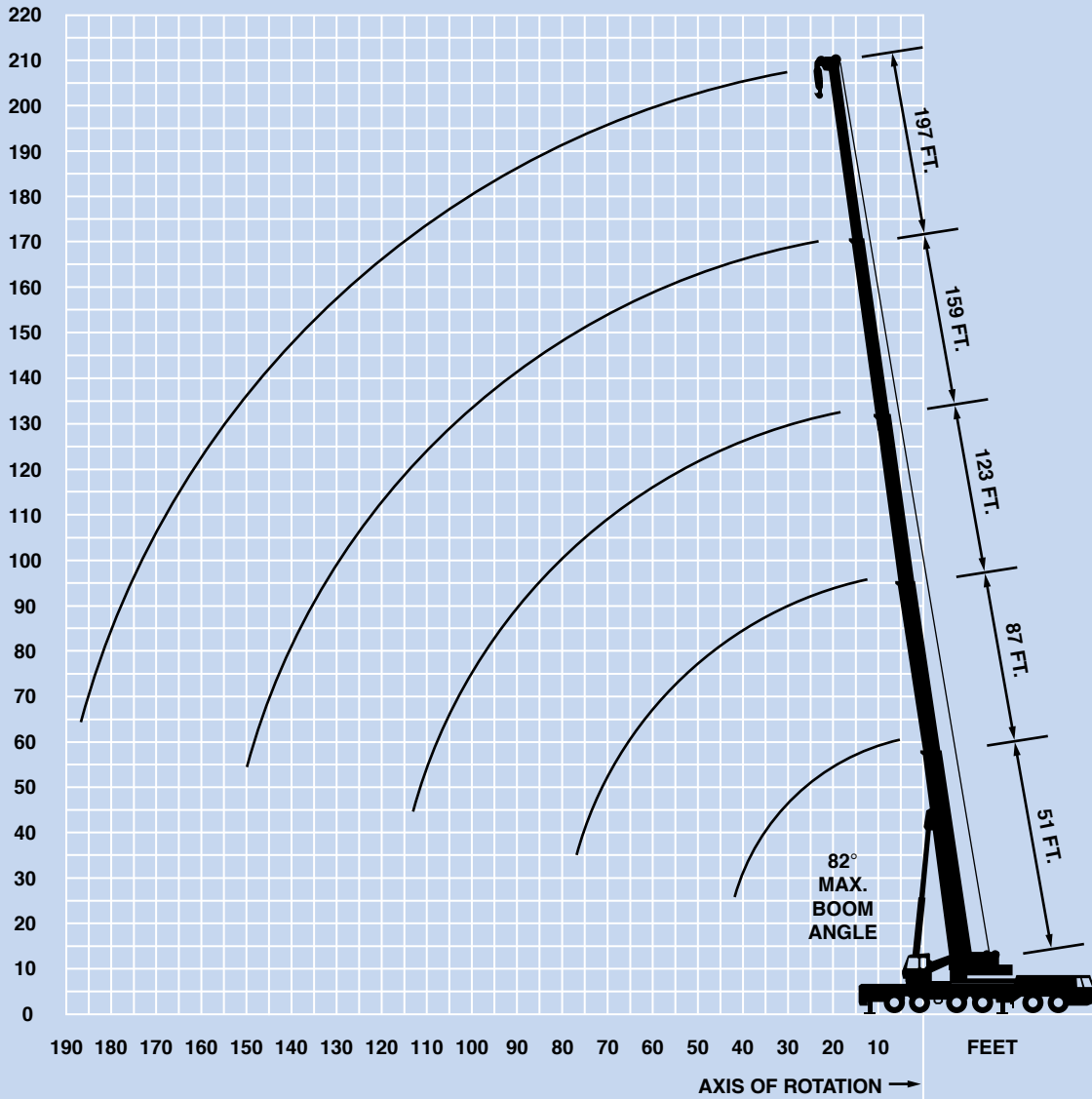






100%



360°





FEET



 51 - 197 ft.
(15.5 - 60.0 m)
  220,458 lbs.
(100 000 kg)
  100%
28' 6" Spread
  360°


| Feet | 51** | 51 | 72 | 87 | 93 | 108 | 114 | 136 | 160 | 181 | 197 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| *9 | 600.0 | | | | | | | | | | |
| 10 | | 470.0 | 388.0 | 290.0 | | | | | | | |
| 15 | | 372.0 | 370.0 | 282.0 | 252.0 | 204.0 | | | | | |
| 20 | | 306.0 | 302.0 | 258.0 | 224.0 | 201.0 | | | | | |
| 25 | | 258.0 | 254.0 | 230.0 | 200.0 | 189.0 | 177.0 | 140.0 | | | |
| 30 | | 222.0 | 222.0 | 203.0 | 178.0 | 173.0 | 144.0 | 123.0 | 95.0 | 73.0 | 59.0 |
| 35 | | 188.0 | 188.0 | 181.0 | 160.0 | 156.0 | 130.0 | 113.0 | 95.0 | 73.0 | 59.0 |
| 40 | | | 162.0 | 157.0 | 145.0 | 141.0 | 118.0 | 104.0 | 94.0 | 73.0 | 59.0 |
| 45 | | | 142.0 | 137.0 | 132.0 | 128.0 | 107.0 | 95.0 | 90.0 | 73.0 | 59.0 |
| 50 | | | 126.0 | 123.0 | 122.0 | 117.0 | 99.0 | 88.0 | 85.0 | 73.0 | 59.0 |
| 55 | | | 112.0 | 112.0 | 110.0 | 107.0 | 91.0 | 81.0 | 79.0 | 71.0 | 59.0 |
| 60 | | | | 101.0 | 99.0 | 98.0 | 84.0 | 74.0 | 74.0 | 68.0 | 59.0 |
| 65 | | | | 91.0 | 89.0 | 88.0 | 78.0 | 70.0 | 69.0 | 64.0 | 58.0 |
| 70 | | | | 82.0 | 80.0 | 79.0 | 73.0 | 65.0 | 65.0 | 60.0 | 55.0 |
| 75 | | | | 46.0 | 73.0 | 71.0 | 68.0 | 61.0 | 61.0 | 57.0 | 52.0 |
| 80 | | | | | | 65.0 | 64.0 | 57.0 | 57.0 | 53.0 | 50.0 |
| 85 | | | | | | 59.0 | 60.0 | 53.0 | 53.0 | 50.0 | 47.0 |
| 90 | | | | | | 54.0 | 56.0 | 50.0 | 50.0 | 47.0 | 45.0 |
| 95 | | | | | | 39.4 | 53.0 | 47.0 | 47.0 | 45.0 | 43.0 |
| 100 | | | | | | | | 44.0 | 44.0 | 42.2 | 40.8 |
| 105 | | | | | | | | 42.6 | 42.0 | 40.2 | 38.8 |
| 110 | | | | | | | | 40.6 | 39.8 | 38.2 | 37.0 |
| 115 | | | | | | | | 38.6 | 37.6 | 36.0 | 35.0 |
| 120 | | | | | | | | 36.6 | 35.8 | 34.4 | 33.4 |
| 125 | | | | | | | | | 34.0 | 32.6 | 31.8 |
| 130 | | | | | | | | | 32.0 | 30.8 | 30.0 |
| 135 | | | | | | | | | 29.8 | 29.2 | 28.4 |
| 140 | | | | | | | | | 23.6 | 27.4 | 26.8 |
| 145 | | | | | | | | | 22.2 | 25.6 | 25.2 |
| 150 | | | | | | | | | 19.4 | 24.2 | 23.8 |
| 155 | | | | | | | | | | 23.2 | 22.8 |
| 160 | | | | | | | | | | 22.4 | 22.0 |
| 165 | | | | | | | | | | 18.0 | 21.0 |
| 170 | | | | | | | | | | 15.6 | 20.2 |
| 175 | | | | | | | | | | | 19.2 |

*Lifting capacities greater than 430,000 lbs. (195 050 kg) require special equipment. **Over rear only, 28' 6" x 9' 4" (100% Front, 0% Rear) outrigger base.

 51 - 197 ft.
(15.5 - 60.0 m)
  220,458 lbs.
(100 000 kg)
  50%
19' 8" Spread
  360°

| Feet | 50.72 | 71.78 | 71.95 | 72.05 | 72.21 | 86.51 | 87.01 | 87.5 | 87.99 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10 | 526.0 | 242.0 | 133.0 | 189.0 | 388.0 | 290.0 | 206.0 | 146.0 | |
| 15 | 400.0 | 242.0 | 133.0 | 189.0 | 382.0 | 282.0 | 206.0 | 146.0 | 121.0 |
| 20 | 332.0 | 242.0 | 133.0 | 189.0 | 316.0 | 258.0 | 206.0 | 146.0 | 121.0 |
| 25 | 268.0 | 242.0 | 133.0 | 189.0 | 264.0 | 230.0 | 205.0 | 138.0 | 107.0 |
| 30 | 222.0 | 222.0 | 127.0 | 178.0 | 218.0 | 203.0 | 181.0 | 122.0 | 95.0 |
| 35 | 188.0 | 188.0 | 115.0 | 159.0 | 184.0 | 181.0 | 162.0 | 109.0 | 85.0 |
| 40 | | 162.0 | 105.0 | 144.0 | 159.0 | 157.0 | 147.0 | 99.0 | 78.0 |
| 45 | | 142.0 | 97.0 | 130.0 | 138.0 | 137.0 | 133.0 | 90.0 | 71.0 |
| 50 | | 126.0 | 90.0 | 120.0 | 122.0 | 121.0 | 123.0 | 83.0 | 65.0 |
| 55 | | 112.0 | 84.0 | 110.0 | 109.0 | 107.0 | 112.0 | 76.0 | 61.0 |
| 60 | | | | | | 96.0 | 101.0 | 70.0 | 56.0 |
| 65 | | | | | | 86.0 | 91.0 | 66.0 | 53.0 |
| 70 | | | | | | 77.0 | 82.0 | 61.0 | 49.0 |
| 75 | | | | | | | | | 46.0 |



 51 - 197 ft.
 (15.5 - 60.0 m)
 110,229 lbs.
 (50 000 kg)
 100%
 28' 6" Spread
 360°

| Feet | 51 | 72 | 87 | 93 | 108 | 114 | 136 | 160 | 181 | 197 |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 10 | 448.0 | 388.0 | 290.0 | | | | | | | |
| 15 | 356.0 | 352.0 | 282.0 | 252.0 | 204.0 | | | | | |
| 20 | 280.0 | 278.0 | 258.0 | 224.0 | 201.0 | 177.0 | 140.0 | | | |
| 25 | 224.0 | 224.0 | 219.0 | 200.0 | 189.0 | 160.0 | 134.0 | | | |
| 30 | 183.0 | 183.0 | 181.0 | 178.0 | 173.0 | 144.0 | 123.0 | 95.0 | 73.0 | 59.0 |
| 35 | 150.0 | 154.0 | 150.0 | 148.0 | 147.0 | 130.0 | 113.0 | 95.0 | 73.0 | 59.0 |
| 40 | | 130.0 | 126.0 | 124.0 | 122.0 | 118.0 | 104.0 | 94.0 | 73.0 | 59.0 |
| 45 | | 112.0 | 108.0 | 110.0 | 103.0 | 107.0 | 95.0 | 90.0 | 73.0 | 59.0 |
| 50 | | 94.0 | 90.0 | 94.0 | 94.0 | 92.0 | 88.0 | 85.0 | 73.0 | 59.0 |
| 55 | | 83.0 | 77.0 | 81.0 | 80.0 | 78.0 | 81.0 | 74.0 | 71.0 | 59.0 |
| 60 | | | 70.0 | 70.0 | 69.0 | 71.0 | 71.0 | 65.0 | 66.0 | 59.0 |
| 65 | | | 62.0 | 61.0 | 61.0 | 65.0 | 62.0 | 58.0 | 59.0 | 58.0 |
| 70 | | | 55.0 | 56.0 | 53.0 | 58.0 | 55.0 | 52.0 | 53.0 | 53.0 |
| 75 | | | 46.0 | 52.0 | 49.0 | 51.0 | 49.0 | 47.0 | 48.0 | 48.0 |
| 80 | | | | | 46.0 | 46.0 | 43.6 | 45.0 | 45.0 | 43.8 |
| 85 | | | | | 42.4 | 41.4 | 38.8 | 41.8 | 41.6 | 39.8 |
| 90 | | | | | 38.2 | 37.4 | 34.8 | 39.0 | 37.6 | 36.0 |
| 95 | | | | | 34.6 | 33.6 | 31.2 | 35.4 | 34.0 | 32.4 |
| 100 | | | | | | | 28.0 | 32.2 | 30.8 | 29.2 |
| 105 | | | | | | | 25.2 | 29.2 | 27.8 | 26.4 |
| 110 | | | | | | | 22.6 | 26.6 | 25.4 | 23.8 |
| 115 | | | | | | | 20.2 | 24.4 | 23.0 | 21.4 |
| 120 | | | | | | | 18.0 | 22.2 | 20.8 | 19.4 |
| 125 | | | | | | | | 20.2 | 19.0 | 17.4 |
| 130 | | | | | | | | 18.6 | 17.2 | 15.6 |
| 135 | | | | | | | | 16.8 | 15.6 | 14.0 |
| 140 | | | | | | | | 15.4 | 14.0 | 12.4 |
| 145 | | | | | | | | 13.8 | 12.6 | 11.0 |
| 150 | | | | | | | | 12.6 | 11.4 | 9.8 |
| 155 | | | | | | | | | 10.0 | 8.6 |
| 160 | | | | | | | | | 9.0 | 7.4 |
| 165 | | | | | | | | | 7.8 | 6.4 |
| 170 | | | | | | | | | 6.8 | 5.4 |
| 175 | | | | | | | | | | 4.6 |

 51 - 197 ft.
 (15.5 - 60.0 m)
 17,637 lbs.
 (8 000 kg)
 100%
 28' 6" Spread
 360°

| Feet | 51 | 72 | 87 | 93 | 108 | 114 | 136 | 160 | 181 | 197 |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 10 | 432.0 | 388.0 | 290.0 | | | | | | | |
| 15 | 316.0 | 310.0 | 278.0 | 252.0 | 204.0 | | | | | |
| 20 | 224.0 | 198.0 | 180.0 | 180.0 | 165.0 | 156.0 | 140.0 | | | |
| 25 | 157.0 | 144.0 | 136.0 | 130.0 | 119.0 | 124.0 | 108.0 | | | |
| 30 | 109.0 | 111.0 | 100.0 | 104.0 | 98.0 | 94.0 | 82.0 | 82.0 | 69.0 | 59.0 |
| 35 | 79.0 | 85.0 | 84.0 | 81.0 | 77.0 | 74.0 | 65.0 | 66.0 | 59.0 | 54.0 |
| 40 | | 66.0 | 67.0 | 65.0 | 62.0 | 59.0 | 51.0 | 54.0 | 48.0 | 43.4 |
| 45 | | 52.0 | 55.0 | 53.0 | 51.0 | 48.0 | 41.0 | 43.8 | 39.0 | 35.0 |
| 50 | | 41.6 | 44.0 | 43.6 | 41.6 | 39.4 | 33.0 | 36.4 | 32.0 | 28.6 |
| 55 | | 32.8 | 35.8 | 35.4 | 34.4 | 32.4 | 26.6 | 30.2 | 26.4 | 23.2 |
| 60 | | | 29.2 | 28.8 | 28.8 | 26.8 | 21.4 | 25.4 | 21.8 | 18.8 |
| 65 | | | 23.8 | 23.4 | 23.6 | 22.2 | 17.2 | 21.2 | 18.0 | 15.2 |
| 70 | | | 19.4 | 19.2 | 19.2 | 18.2 | 13.6 | 17.8 | 14.6 | 12.0 |
| 75 | | | 15.8 | 15.6 | 15.6 | 14.6 | 10.6 | 14.8 | 11.8 | 9.4 |
| 80 | | | | | 12.6 | 11.6 | 8.0 | 12.2 | 9.4 | 7.0 |
| 85 | | | | | 10.0 | 9.0 | 5.6 | 9.8 | 7.2 | 4.8 |
| 90 | | | | | 7.8 | 6.8 | 3.6 | 7.8 | 5.4 | |
| 95 | | | | | 5.8 | 5.0 | | 6.0 | 3.6 | |
| 100 | | | | | | | | 4.6 | | |

 51 - 197 ft.
 (15.5 - 60.0 m)
 0 lbs.
 (0 kg)
 100%
 28' 6" Spread
 360°

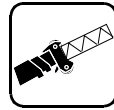
| Feet | 51 | 72 | 87 | 93 | 108 | 114 |
|------|-------|-------|-------|-------|-------|-------|
| 10 | 428.0 | 388.0 | 290.0 | | | |
| 15 | 298.0 | 230.0 | 197.0 | | | |
| 20 | 172.0 | 149.0 | 134.0 | 189.0 | 156.0 | |
| 25 | 114.0 | 107.0 | 100.0 | 133.0 | 122.0 | 115.0 |
| 30 | 79.0 | 77.0 | 74.0 | 100.0 | 88.0 | 83.0 |
| 35 | 57.0 | 57.0 | 56.0 | 71.0 | 65.0 | 61.0 |
| 40 | | 43.6 | 43.2 | 54.0 | 50.0 | 46.0 |
| 45 | | 33.8 | 34.0 | 41.4 | 38.4 | 35.8 |
| 50 | | 26.4 | 27.0 | 32.6 | 30.2 | 28.0 |
| 55 | | 20.2 | 21.6 | 25.8 | 24.0 | 21.8 |
| 60 | | | 17.4 | 20.6 | 19.0 | 17.0 |
| 65 | | | 13.8 | 16.2 | 15.0 | 13.2 |
| 70 | | | 10.4 | 12.8 | 11.6 | 9.8 |
| 75 | | | 7.6 | 9.8 | 8.8 | 7.2 |
| 80 | | | | 7.2 | 6.4 | 4.8 |



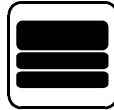
Working Range



51 - 197 ft.
(15.5 - 60 m)



62 - 167 ft.
(19.0 - 51.0 m)



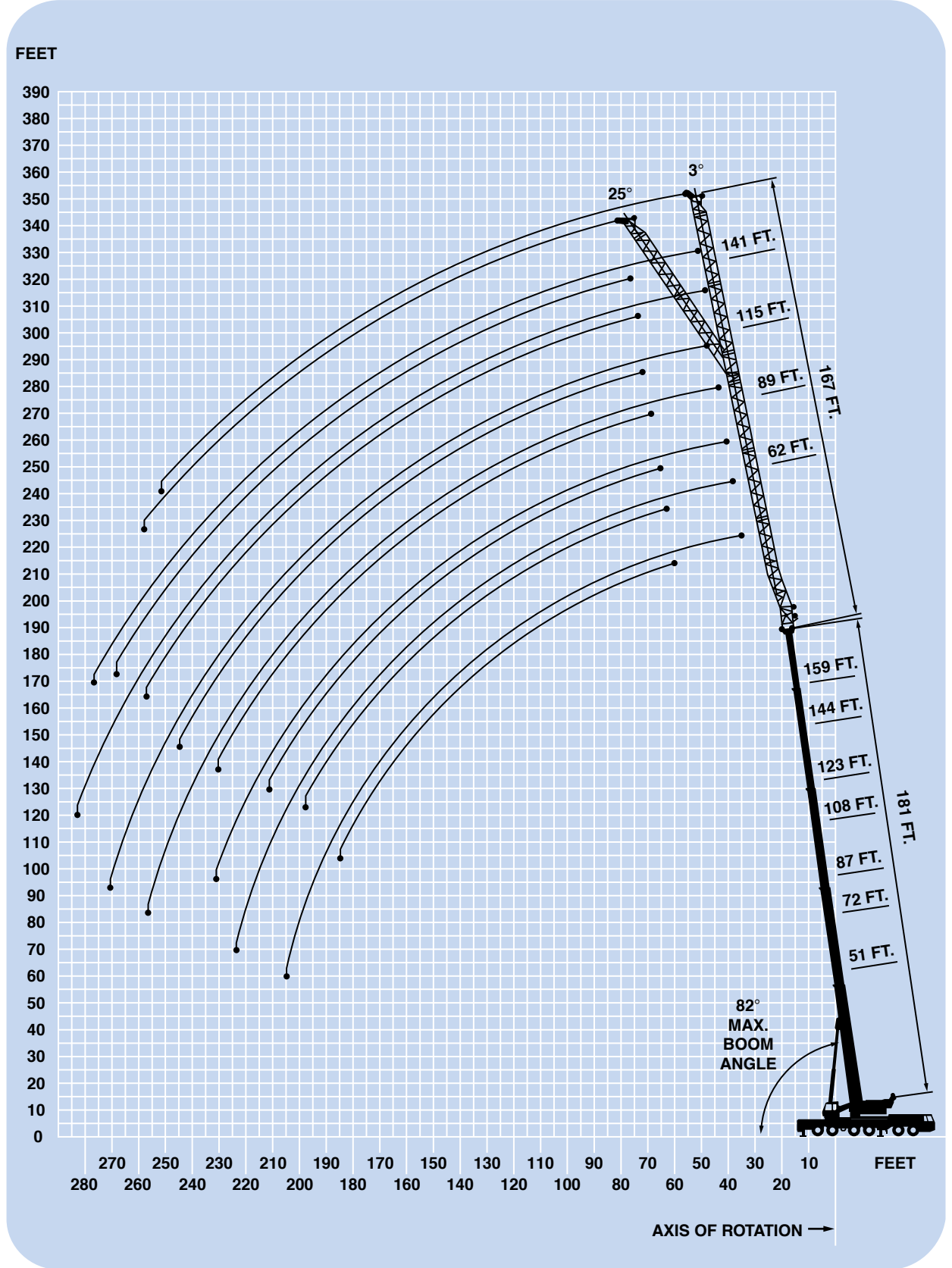
220,458 lbs.
(100 000 kg)



100%



360°



| | | 62 FT | | 89 FT | | 115 FT | | 141 FT | | 167 FT | |
|-----|------|-------|-----|-------|------|--------|------|--------|-----|--------|-----|
| | | 3° | 25° | 3° | 25° | 3° | 25° | 3° | 25° | 3° | 25° |
| 50 | 21.8 | | | | | | | | | | |
| 55 | 21.8 | | | | | | | | | | |
| 60 | 21.8 | 21.2 | | 15.8 | | | | | | | |
| 65 | 21.8 | 21.2 | | 15.8 | | | | | | | |
| 70 | 21.8 | 21.2 | | 15.8 | | 11.0 | | | | | |
| 75 | 21.8 | 21.2 | | 15.8 | | 11.0 | | | | | |
| 80 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | | |
| 85 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | | |
| 90 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | 6.0 | |
| 95 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | 6.0 | |
| 100 | 21.2 | 20.8 | | 15.8 | 15.8 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 105 | 20.2 | 20.0 | | 15.8 | 15.8 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 110 | 19.4 | 19.2 | | 15.8 | 15.6 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 115 | 18.6 | 18.4 | | 15.8 | 15.2 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | |
| 120 | 17.8 | 17.8 | | 15.4 | 14.8 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | 5.6 |
| 125 | 17.0 | 17.0 | | 14.6 | 14.4 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | 5.6 |
| 130 | 16.4 | 16.2 | | 14.0 | 14.0 | 11.0 | 10.8 | 9.2 | 9.0 | 6.0 | 5.6 |
| 135 | 15.6 | 15.6 | | 13.4 | 13.4 | 10.8 | 10.6 | 9.0 | 8.8 | 6.0 | 5.6 |
| 140 | 15.0 | 15.0 | | 13.0 | 13.0 | 10.6 | 10.2 | 8.6 | 8.6 | 6.0 | 5.6 |
| 145 | 14.4 | 14.4 | | 12.4 | 12.4 | 10.2 | 10.0 | 8.4 | 8.2 | 6.0 | 5.6 |
| 150 | 13.8 | 13.8 | | 11.8 | 12.0 | 10.0 | 9.8 | 8.2 | 8.0 | 5.8 | 5.6 |
| 155 | 13.2 | 13.4 | | 11.4 | 11.4 | 9.6 | 9.4 | 7.8 | 7.8 | 5.6 | 5.6 |
| 160 | 12.8 | 12.8 | | 10.8 | 11.0 | 9.2 | 9.2 | 7.6 | 7.4 | 5.4 | 5.6 |
| 165 | 12.2 | 12.2 | | 10.4 | 10.4 | 8.8 | 8.8 | 7.2 | 7.2 | 5.2 | 5.4 |
| 170 | 11.8 | 11.8 | | 10.0 | 10.0 | 8.4 | 8.6 | 7.0 | 7.0 | 5.0 | 5.2 |
| 175 | 11.2 | 11.4 | | 9.6 | 9.6 | 8.0 | 8.2 | 6.6 | 6.6 | 4.8 | 5.0 |
| 180 | 10.8 | 11.0 | | 9.2 | 9.2 | 7.6 | 7.8 | 6.2 | 6.4 | 4.6 | 4.8 |
| 185 | 10.4 | 10.4 | | 8.8 | 8.8 | 7.2 | 7.6 | 6.0 | 6.2 | 4.4 | 4.6 |
| 190 | 10.0 | 10.0 | | 8.4 | 8.4 | 7.0 | 7.2 | 5.6 | 5.8 | 4.2 | 4.4 |
| 195 | 9.6 | 9.6 | | 8.0 | 8.0 | 6.6 | 6.8 | 5.2 | 5.6 | 4.0 | 4.2 |
| 200 | 9.2 | 9.2 | | 7.6 | 7.8 | 6.2 | 6.6 | 5.0 | 5.4 | 3.8 | 4.0 |
| 205 | 8.6 | 8.8 | | 7.2 | 7.4 | 6.0 | 6.2 | 4.6 | 5.0 | 3.6 | 3.8 |
| 210 | 8.2 | | | 7.0 | 7.2 | 5.6 | 6.0 | 4.4 | 4.8 | 3.2 | 3.6 |
| 215 | 7.8 | | | 6.6 | 6.8 | 5.4 | 5.6 | 4.2 | 4.6 | 3.0 | 3.4 |
| 220 | 7.4 | | | 6.4 | 6.6 | 5.2 | 5.4 | 3.8 | 4.2 | | 3.2 |
| 225 | 7.0 | | | 6.0 | 6.2 | 4.8 | 5.0 | 3.6 | 4.0 | | 3.0 |
| 230 | 6.2 | | | 5.8 | 6.0 | 4.6 | 4.8 | 3.4 | 3.6 | | |
| 235 | 5.4 | | | 5.4 | 5.6 | 4.4 | 4.6 | 3.2 | 3.4 | | |
| 240 | | | | 5.2 | | 4.0 | 4.4 | 3.0 | 3.2 | | |
| 245 | | | | 5.0 | | 3.8 | 4.0 | 2.8 | 3.0 | | |
| 250 | | | | 4.2 | | 3.6 | 3.8 | | 2.8 | | |
| 255 | | | | 3.6 | | 3.4 | 3.6 | | | | |
| 260 | | | | | | 3.2 | | | | | |

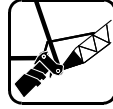
| | | 62 FT | | 89 FT | | 115 FT | | 141 FT | | 167 FT | |
|-----|------|-------|-----|-------|------|--------|------|--------|-----|--------|-----|
| | | 3° | 25° | 3° | 25° | 3° | 25° | 3° | 25° | 3° | 25° |
| 50 | 21.8 | | | | | | | | | | |
| 55 | 21.8 | | | | | | | | | | |
| 60 | 21.8 | 21.2 | | 15.8 | | | | | | | |
| 65 | 21.8 | 21.2 | | 15.8 | | | | | | | |
| 70 | 21.8 | 21.2 | | 15.8 | | 11.0 | | | | | |
| 75 | 21.8 | 21.2 | | 15.8 | | 11.0 | | | | | |
| 80 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | | |
| 85 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | | |
| 90 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | 6.0 | |
| 95 | 21.8 | 21.2 | | 15.8 | 15.8 | 11.0 | | 9.2 | | 6.0 | |
| 100 | 21.2 | 20.8 | | 15.8 | 15.8 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 105 | 20.2 | 20.0 | | 15.8 | 15.8 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 110 | 19.4 | 19.2 | | 15.8 | 15.6 | 11.0 | 11.0 | 9.2 | | 6.0 | |
| 115 | 18.6 | 18.4 | | 15.8 | 15.2 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | |
| 120 | 17.2 | 17.8 | | 15.4 | 14.8 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | 5.6 |
| 125 | 15.4 | 16.4 | | 14.6 | 14.4 | 11.0 | 11.0 | 9.2 | 9.2 | 6.0 | 5.6 |
| 130 | 13.6 | 14.6 | | 14.0 | 14.0 | 11.0 | 10.8 | 9.2 | 9.0 | 6.0 | 5.6 |
| 135 | 12.0 | 13.0 | | 12.8 | 13.4 | 10.8 | 10.6 | 9.0 | 8.8 | 6.0 | 5.6 |
| 140 | 10.6 | 11.4 | | 11.4 | 13.0 | 10.6 | 10.2 | 8.6 | 8.6 | 6.0 | 5.6 |
| 145 | 9.2 | 10.0 | | 10.0 | 12.2 | 10.2 | 10.0 | 8.4 | 8.2 | 6.0 | 5.6 |
| 150 | 8.0 | 8.6 | | 8.6 | 10.8 | 9.2 | 9.8 | 8.2 | 8.0 | 5.8 | 5.6 |
| 155 | 6.8 | 7.4 | | 7.4 | 9.4 | 8.0 | 9.4 | 7.8 | 7.8 | 5.6 | 5.6 |
| 160 | 5.6 | 6.2 | | 6.4 | 8.2 | 6.8 | 9.2 | 7.0 | 7.4 | 5.4 | 5.6 |
| 165 | 4.4 | 5.2 | | 5.2 | 7.0 | 5.8 | 8.8 | 6.0 | 7.2 | 5.2 | 5.4 |
| 170 | 3.4 | 4.0 | | 4.2 | 6.0 | 4.8 | 7.6 | 5.0 | 7.0 | 5.0 | 5.2 |
| 175 | | 3.0 | | 3.4 | 5.0 | 3.8 | 6.4 | 4.0 | 6.6 | 4.2 | 5.0 |
| 180 | | | | | 4.0 | 3.0 | 5.4 | 3.2 | 5.8 | 3.2 | 4.8 |
| 185 | | | | | 3.0 | | 4.6 | | 4.8 | | 4.6 |
| 190 | | | | | | | 3.6 | | 4.0 | | 4.2 |
| 195 | | | | | | | 2.6 | | 3.0 | | 3.2 |



Working Range



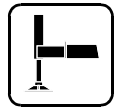
51 - 181 ft.
(15.5 - 55 m)



69 - 200 ft.
(21.0 - 61.0 m)



220,458 lbs.
(100 000 kg)

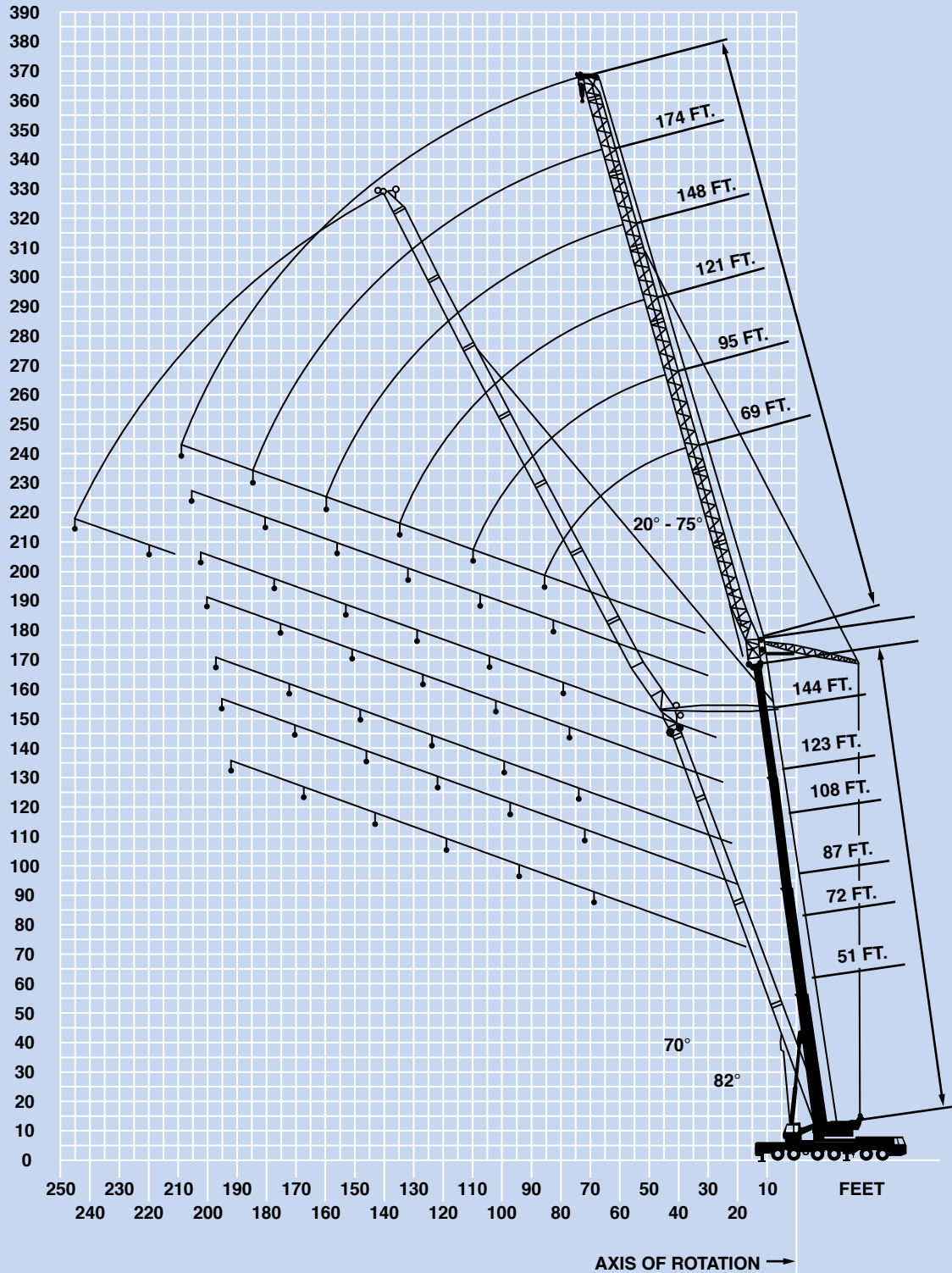


100%



360°

FEET








| 51 - 181 ft. (15.5 - 55.0 m) | | 69 ft. (21.0 m) | | 220,458 lbs. (100 000 kg) | | 100% 28' 6" Spread | | 360° | |
|---------------------------------|-------|--------------------|------|------------------------------|------|-----------------------|------|------|------|
| Pounds | | | | | | | | | |
| 70° MAIN BOOM ANGLE | | | | | | | | | |
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 | |
| 55 | 102.0 | | | | | | | | |
| 60 | 96.0 | | | | | | | | |
| 65 | 89.0 | 89.0 | | | | | | | |
| 70 | 77.0 | 84.0 | | | | | | | |
| 75 | 65.0 | 78.0 | 69.0 | | | | | | |
| 80 | | 72.0 | 65.0 | | | | | | |
| 85 | | 66.0 | 62.0 | 47.0 | | | | | |
| 90 | | | 59.0 | 45.0 | | | | | |
| 95 | | | | 43.0 | | | | | |
| 100 | | | | | 35.0 | | | | |
| 105 | | | | | 33.6 | | | | |
| 110 | | | | | 32.2 | 25.8 | | | |
| 115 | | | | | | 25.0 | | | |
| 120 | | | | | | | 20.0 | | |
| 125 | | | | | | | | 15.6 | |
| 130 | | | | | | | | | 15.2 |

| 51 - 181 ft. (15.5 - 55.0 m) | | 95 ft. (37.0 m) | | 220,458 lbs. (100 000 kg) | | 100% 28' 6" Spread | | 360° | |
|---------------------------------|------|--------------------|------|------------------------------|------|-----------------------|------|------|--|
| Pounds | | | | | | | | | |
| 70° MAIN BOOM ANGLE | | | | | | | | | |
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 | |
| 65 | 78.0 | | | | | | | | |
| 70 | 78.0 | | | | | | | | |
| 75 | 75.0 | | | | | | | | |
| 80 | 69.0 | 67.0 | | | | | | | |
| 85 | 62.0 | 67.0 | 60.0 | | | | | | |
| 90 | 55.0 | 63.0 | 57.0 | | | | | | |
| 95 | 49.0 | 60.0 | 55.0 | | | | | | |
| 100 | 43.4 | 56.0 | 52.0 | 39.6 | | | | | |
| 105 | 37.6 | 51.0 | 51.0 | 38.0 | 30.4 | | | | |
| 110 | | 45.0 | 48.0 | 36.4 | 29.2 | | | | |
| 115 | | | 46.0 | 35.0 | 28.0 | | | | |
| 120 | | | | 33.8 | 27.0 | 21.6 | | | |
| 125 | | | | 32.8 | 26.2 | 20.6 | 17.0 | | |
| 130 | | | | | 25.4 | 20.0 | 16.2 | | |
| 135 | | | | | | 19.4 | 15.6 | | |
| 140 | | | | | | | 15.0 | 12.0 | |
| 145 | | | | | | | 14.4 | 11.4 | |
| 150 | | | | | | | | 11.0 | |

| 51 - 181 ft. (15.5 - 55.0 m) | | 121 ft. (37.0 m) | | 220,458 lbs. (100 000 kg) | | 100% 28' 6" Spread | | 360° | |
|---------------------------------|------|---------------------|------|------------------------------|------|-----------------------|------|------|--|
| Pounds | | | | | | | | | |
| 70° MAIN BOOM ANGLE | | | | | | | | | |
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 | |
| 80 | 56.0 | | | | | | | | |
| 85 | 56.0 | | | | | | | | |
| 90 | 55.0 | | | | | | | | |
| 95 | 53.0 | 49.0 | | | | | | | |
| 100 | 50.0 | 49.0 | 44.0 | | | | | | |
| 105 | 46.0 | 49.0 | 44.0 | | | | | | |
| 110 | 42.2 | 49.0 | 44.0 | | | | | | |
| 115 | 38.4 | 46.0 | 43.6 | 33.4 | | | | | |
| 120 | 34.8 | 42.4 | 42.4 | 32.0 | 25.6 | | | | |
| 125 | 31.0 | 39.0 | 40.8 | 30.8 | 24.8 | 19.4 | | | |
| 130 | 27.4 | 35.2 | 39.0 | 29.8 | 23.8 | 18.6 | | | |
| 135 | | 31.2 | 36.6 | 28.6 | 23.0 | 17.6 | | | |
| 140 | | | 33.8 | 27.6 | 22.2 | 16.8 | 13.4 | | |
| 145 | | | 30.2 | 26.8 | 21.2 | 16.2 | 13.0 | | |
| 150 | | | | 26.0 | 20.6 | 15.8 | 12.4 | 9.4 | |
| 155 | | | | | 20.0 | 15.2 | 12.0 | 9.0 | |
| 160 | | | | | | 14.8 | 11.4 | 8.6 | |
| 165 | | | | | | 14.2 | 11.0 | 8.4 | |
| 170 | | | | | | | 10.6 | 8.0 | |
| 175 | | | | | | | | 7.6 | |














51 - 181 ft. (15.5 - 55.0 m) 148 ft. (45.0 m) 220,458 lbs. (100 000 kg) 100% 28' 6" Spread 360°

Pounds

70° MAIN BOOM ANGLE

| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 |
|------|------|------|------|------|------|------|------|-----|
| 95 | 40.2 | | | | | | | |
| 100 | 39.8 | | | | | | | |
| 105 | 39.6 | 35.8 | | | | | | |
| 110 | 39.4 | 35.6 | | | | | | |
| 115 | 38.4 | 35.4 | 32.2 | | | | | |
| 120 | 37.0 | 35.2 | 32.2 | | | | | |
| 125 | 35.4 | 35.0 | 32.2 | 27.2 | | | | |
| 130 | 32.8 | 34.8 | 32.0 | 27.0 | | | | |
| 135 | 30.2 | 34.6 | 32.0 | 26.6 | 21.6 | | | |
| 140 | 27.8 | 33.2 | 31.8 | 26.2 | 20.8 | | | |
| 145 | 25.4 | 30.8 | 31.8 | 25.4 | 20.0 | 15.0 | | |
| 150 | 23.2 | 28.2 | 31.6 | 24.6 | 19.2 | 14.4 | | |
| 155 | 21.0 | 26.0 | 29.8 | 24.0 | 18.4 | 13.8 | | |
| 160 | | 23.8 | 27.6 | 23.2 | 17.8 | 13.2 | 10.2 | |
| 165 | | 21.4 | 25.4 | 22.4 | 17.2 | 12.6 | 9.6 | |
| 170 | | | 23.2 | 21.8 | 16.6 | 12.2 | 9.2 | 6.6 |
| 175 | | | | 21.2 | 16.0 | 11.8 | 8.8 | 6.4 |
| 180 | | | | | 15.6 | 11.4 | 8.4 | 6.0 |
| 185 | | | | | | 11.0 | 8.0 | 5.6 |
| 190 | | | | | | 10.6 | 7.8 | 5.4 |
| 195 | | | | | | | 7.6 | 5.2 |
| 200 | | | | | | | | 4.8 |












51 - 160 ft. (15.5 - 48.8 m) 174 ft. (53.0 m) 220,458 lbs. (100 000 kg) 100% 28' 6" Spread 360°

Pounds

70° MAIN BOOM ANGLE

| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 |
|------|------|------|------|------|------|------|-----|
| 105 | 28.8 | | | | | | |
| 110 | 28.6 | | | | | | |
| 115 | 28.4 | | | | | | |
| 120 | 28.0 | 25.2 | | | | | |
| 125 | 27.6 | 25.2 | 23.0 | | | | |
| 130 | 27.0 | 24.8 | 22.8 | | | | |
| 135 | 26.2 | 24.6 | 22.8 | | | | |
| 140 | 25.4 | 24.6 | 22.6 | 19.2 | | | |
| 145 | 24.4 | 24.4 | 22.4 | 19.2 | 16.6 | | |
| 150 | 24.0 | 24.0 | 22.2 | 19.0 | 16.6 | | |
| 155 | 23.2 | 23.8 | 22.2 | 19.0 | 16.6 | | |
| 160 | 22.2 | 23.4 | 22.2 | 19.0 | 16.4 | 11.6 | |
| 165 | 20.6 | 22.8 | 22.0 | 19.0 | 16.0 | 11.4 | |
| 170 | 19.0 | 22.4 | 21.8 | 18.8 | 15.4 | 11.2 | 7.8 |
| 175 | 17.2 | 20.8 | 21.6 | 18.8 | 15.0 | 10.8 | 7.4 |
| 180 | 15.6 | 19.2 | 21.0 | 18.6 | 14.4 | 10.4 | 7.0 |
| 185 | | 17.6 | 19.8 | 18.2 | 14.0 | 10.0 | 6.8 |
| 190 | | 16.0 | 18.6 | 18.0 | 13.4 | 9.6 | 6.4 |
| 195 | | | 17.2 | 17.8 | 13.2 | 9.2 | 6.0 |
| 200 | | | | 17.4 | 12.8 | 8.8 | 5.8 |
| 205 | | | | | 12.4 | 8.4 | 5.4 |
| 210 | | | | | 12.2 | 8.2 | 5.2 |
| 215 | | | | | | | 5.0 |






51 - 144 ft. (15.5 - 43.9 m) 200 ft. (61.0 m) 220,458 lbs. (100 000 kg) 100% 28' 6" Spread 360°

Pounds

70° MAIN BOOM ANGLE

| Feet | 51 | 72 | 87 | 108 | 123 | 144 |
|------|------|------|------|------|------|-----|
| 120 | 17.0 | | | | | |
| 125 | 16.2 | | | | | |
| 130 | 15.8 | | | | | |
| 135 | 15.2 | 15.8 | | | | |
| 140 | 14.8 | 15.2 | 15.2 | | | |
| 145 | 14.2 | 14.8 | 15.0 | | | |
| 150 | 13.8 | 14.4 | 14.4 | 13.0 | | |
| 155 | 13.4 | 14.0 | 14.0 | 13.0 | | |
| 160 | 13.0 | 13.4 | 13.4 | 13.0 | 11.0 | |
| 165 | 12.6 | 13.2 | 13.2 | 12.8 | 11.0 | |
| 170 | 12.2 | 12.6 | 12.8 | 12.6 | 11.0 | 7.2 |
| 175 | 11.8 | 12.2 | 12.4 | 12.4 | 11.0 | 7.2 |
| 180 | 11.4 | 12.0 | 12.2 | 12.2 | 11.0 | 7.2 |
| 185 | 11.2 | 11.6 | 11.8 | 11.8 | 10.8 | 7.2 |
| 190 | 10.8 | 11.2 | 11.4 | 11.4 | 10.8 | 7.2 |
| 195 | 10.6 | 11.0 | 11.2 | 11.2 | 10.8 | 7.2 |
| 200 | 10.4 | 10.8 | 11.0 | 11.0 | 10.6 | 7.2 |
| 205 | 10.2 | 10.6 | 10.6 | 10.6 | 10.6 | 7.0 |
| 210 | 10.0 | 10.4 | 10.4 | 10.4 | 10.4 | 7.0 |
| 215 | | 10.0 | 10.2 | 10.2 | 10.0 | 6.8 |
| 220 | | | 10.0 | 10.0 | 9.8 | 6.4 |
| 225 | | | | | 9.8 | 6.2 |
| 230 | | | | | 9.4 | 6.0 |








 51 - 181 ft.
(15.5 - 55.0 m)
  69 ft.
(21.0 m)
  220,458 lbs.
(100 000 kg)
  100%
28' 6" Spread
  360°

Pounds

82° MAIN BOOM ANGLE






| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 |
|------|-------|-------|------|------|------|------|------|------|
| 30 | 122.0 | | | | | | | |
| 35 | 122.0 | | | | | | | |
| 40 | 114.0 | 103.0 | | | | | | |
| 45 | 104.0 | 103.0 | 90.0 | | | | | |
| 50 | 89.0 | 101.0 | 90.0 | 71.0 | 58.0 | | | |
| 55 | 76.0 | 93.0 | 90.0 | 71.0 | 58.0 | 44.0 | | |
| 60 | 64.0 | 78.0 | 88.0 | 70.0 | 58.0 | 44.0 | 34.2 | |
| 65 | 52.0 | 65.0 | 75.0 | 69.0 | 58.0 | 44.0 | 34.2 | 24.6 |
| 70 | | 53.0 | 62.0 | 65.0 | 55.0 | 44.0 | 34.2 | 24.6 |
| 75 | | | | | 52.0 | 44.0 | 34.2 | 24.6 |
| 80 | | | | | | | 34.2 | 24.6 |
| 85 | | | | | | | 34.2 | 24.6 |

 51 - 181 ft.
(15.5 - 55.0 m)
  95 ft.
(29.0 m)
  220,458 lbs.
(100 000 kg)
  100%
28' 6" Spread
  360°

Pounds

82° MAIN BOOM ANGLE

| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 |
|------|------|------|------|------|------|------|------|------|
| 40 | 84.0 | 72.0 | | | | | | |
| 45 | 84.0 | 72.0 | 64.0 | | | | | |
| 50 | 84.0 | 72.0 | 64.0 | | | | | |
| 55 | 82.0 | 72.0 | 64.0 | 53.0 | 44.0 | | | |
| 60 | 77.0 | 71.0 | 64.0 | 53.0 | 44.0 | 33.2 | | |
| 65 | 67.0 | 71.0 | 64.0 | 53.0 | 44.0 | 33.2 | 25.8 | |
| 70 | 60.0 | 66.0 | 64.0 | 53.0 | 44.0 | 33.2 | 25.8 | |
| 75 | 54.0 | 61.0 | 62.0 | 53.0 | 44.0 | 33.2 | 25.8 | 17.8 |
| 80 | 47.0 | 55.0 | 57.0 | 53.0 | 44.0 | 33.2 | 25.8 | 17.8 |
| 85 | 41.4 | 49.0 | 53.0 | 53.0 | 43.8 | 33.2 | 25.8 | 17.8 |
| 90 | 35.4 | 42.6 | 47.0 | 50.0 | 43.6 | 33.2 | 25.8 | 17.8 |
| 95 | | | 41.0 | 47.0 | 42.4 | 33.2 | 25.8 | 17.8 |
| 100 | | | | | 41.0 | 33.0 | 25.8 | 17.8 |
| 105 | | | | | 39.2 | 32.6 | 25.8 | 17.8 |
| 110 | | | | | | | 25.8 | 17.8 |

 51 - 181 ft.
(15.5 - 55.0 m)
  121 ft.
(37.0 m)
  220,458 lbs.
(100 000 kg)
  100%
28' 6" Spread
  360°

Pounds

82° MAIN BOOM ANGLE

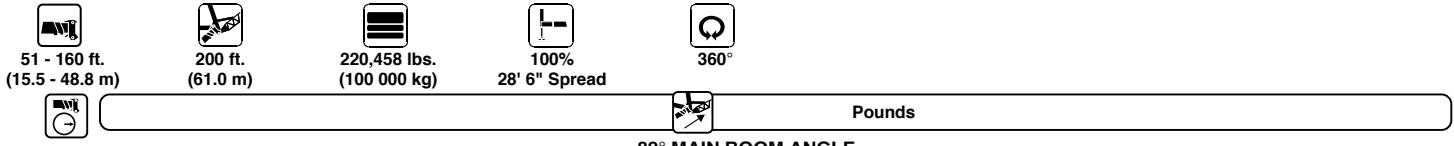
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 |
|------|------|------|------|------|------|------|------|------|
| 45 | 60.0 | | | | | | | |
| 50 | 59.0 | | | | | | | |
| 55 | 58.0 | 50.0 | 46.0 | | | | | |
| 60 | 58.0 | 50.0 | 46.0 | 38.2 | 33.0 | | | |
| 65 | 58.0 | 50.0 | 45.0 | 38.2 | 33.0 | 24.4 | | |
| 70 | 57.0 | 50.0 | 45.0 | 38.0 | 33.0 | 24.4 | | |
| 75 | 55.0 | 50.0 | 45.0 | 38.0 | 33.0 | 24.4 | 18.8 | |
| 80 | 53.0 | 49.0 | 45.0 | 38.0 | 33.0 | 24.4 | 18.8 | 12.6 |
| 85 | 49.0 | 49.0 | 45.0 | 38.0 | 32.8 | 24.4 | 18.8 | 12.6 |
| 90 | 44.0 | 48.0 | 45.0 | 38.0 | 32.8 | 24.4 | 18.8 | 12.6 |
| 95 | 40.2 | 45.0 | 44.0 | 37.8 | 32.8 | 24.4 | 18.8 | 12.6 |
| 100 | 36.4 | 40.8 | 42.8 | 37.6 | 32.8 | 24.4 | 18.8 | 12.6 |
| 105 | 32.6 | 36.8 | 41.2 | 37.6 | 32.8 | 24.4 | 18.8 | 12.6 |
| 110 | 29.0 | 33.0 | 37.2 | 35.8 | 32.8 | 24.4 | 18.8 | 12.6 |
| 115 | 25.6 | 29.0 | 33.2 | 34.0 | 32.8 | 24.4 | 18.8 | 12.6 |
| 120 | | | 29.0 | 32.2 | 32.4 | 24.4 | 18.8 | 12.6 |
| 125 | | | 24.8 | 30.6 | 31.0 | 24.4 | 18.8 | 12.6 |
| 130 | | | | | 29.4 | 24.4 | 18.8 | 12.6 |
| 135 | | | | | | | 18.8 | 12.6 |



| 51 - 181 ft. (15.5 - 55.0 m) | | 148 ft. (45.0 m) | | 220,458 lbs. (100 000 kg) | | 100% 28' 6" Spread | | 360° | |
|---------------------------------|------|---------------------|------|------------------------------|------|-----------------------|------|------|-----|
| Pounds | | | | | | | | | |
| 82° MAIN BOOM ANGLE | | | | | | | | | |
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | 181 | |
| 55 | 40.2 | | | | | | | | |
| 60 | 41.8 | 36.6 | 33.2 | | | | | | |
| 65 | 41.4 | 36.4 | 33.0 | 27.6 | | | | | |
| 70 | 41.2 | 36.2 | 33.0 | 27.6 | | | | | |
| 75 | 41.2 | 36.2 | 33.0 | 27.6 | 23.8 | | | | |
| 80 | 41.0 | 36.2 | 32.8 | 27.6 | 23.8 | 17.4 | 12.8 | | |
| 85 | 40.6 | 36.0 | 32.6 | 27.4 | 23.8 | 17.4 | 12.8 | 7.8 | |
| 90 | 40.4 | 35.8 | 32.6 | 27.4 | 23.8 | 17.4 | 12.8 | 7.8 | |
| 95 | 39.4 | 35.6 | 32.6 | 27.4 | 23.8 | 17.4 | 12.8 | 7.8 | |
| 100 | 37.8 | 35.2 | 32.4 | 27.2 | 23.6 | 17.4 | 12.8 | 7.8 | |
| 105 | 36.4 | 34.6 | 32.2 | 27.2 | 23.6 | 17.4 | 12.8 | 7.8 | |
| 110 | 33.6 | 33.8 | 32.2 | 27.2 | 23.6 | 17.4 | 12.8 | 7.8 | |
| 115 | 31.0 | 33.0 | 32.0 | 27.2 | 23.6 | 17.4 | 12.8 | 7.8 | |
| 120 | 28.4 | 31.6 | 32.0 | 27.0 | 23.6 | 17.4 | 12.8 | 7.8 | |
| 125 | 25.8 | 29.0 | 31.6 | 26.8 | 23.4 | 17.4 | 12.8 | 7.8 | |
| 130 | 23.6 | 26.4 | 29.2 | 26.0 | 23.4 | 17.2 | 12.8 | 7.8 | |
| 135 | 21.2 | 23.8 | 26.8 | 25.2 | 23.2 | 17.2 | 12.8 | 7.8 | |
| 140 | | 21.4 | 24.6 | 24.2 | 22.8 | 17.2 | 12.8 | 7.8 | |
| 145 | | 19.0 | 22.0 | 23.2 | 22.4 | 17.2 | 12.8 | 7.8 | |
| 150 | | | 19.0 | 22.4 | 22.0 | 17.2 | 12.8 | 7.8 | |
| 155 | | | | | 21.6 | 17.2 | 12.8 | 7.8 | |
| 160 | | | | | | | | 7.8 | |
| 165 | | | | | | | | | 7.8 |

| 51 - 160 ft. (15.5 - 48.8 m) | | 174 ft. (53.0 m) | | 220,458 lbs. (100 000 kg) | | 100% 28' 6" Spread | | 360° | |
|---------------------------------|------|---------------------|------|------------------------------|------|-----------------------|-----|------|--|
| Pounds | | | | | | | | | |
| 82° MAIN BOOM ANGLE | | | | | | | | | |
| Feet | 51 | 72 | 87 | 108 | 123 | 144 | 160 | | |
| 60 | 30.2 | | | | | | | | |
| 65 | 30.0 | 26.4 | 23.8 | | | | | | |
| 70 | 29.8 | 26.4 | 23.8 | | | | | | |
| 75 | 29.6 | 26.2 | 23.8 | 19.8 | | | | | |
| 80 | 29.4 | 26.0 | 23.6 | 19.6 | 17.0 | | | | |
| 85 | 29.2 | 26.0 | 23.4 | 19.6 | 17.0 | 12.2 | 8.4 | | |
| 90 | 29.0 | 25.8 | 23.4 | 19.6 | 17.0 | 12.2 | 8.4 | | |
| 95 | 28.8 | 25.6 | 23.2 | 19.6 | 17.0 | 12.0 | 8.4 | | |
| 100 | 28.6 | 25.6 | 23.0 | 19.4 | 17.0 | 12.0 | 8.4 | | |
| 105 | 28.0 | 25.4 | 23.0 | 19.4 | 16.8 | 12.0 | 8.4 | | |
| 110 | 27.4 | 25.2 | 23.0 | 19.4 | 16.8 | 12.0 | 8.4 | | |
| 115 | 26.8 | 25.0 | 22.8 | 19.2 | 16.8 | 12.0 | 8.4 | | |
| 120 | 26.2 | 24.8 | 22.6 | 19.2 | 16.8 | 12.0 | 8.4 | | |
| 125 | 25.8 | 24.4 | 22.4 | 19.2 | 16.8 | 12.0 | 8.4 | | |
| 130 | 25.2 | 24.2 | 22.4 | 19.0 | 16.6 | 12.0 | 8.4 | | |
| 135 | 24.0 | 23.8 | 22.2 | 19.0 | 16.6 | 12.0 | 8.4 | | |
| 140 | 22.4 | 23.4 | 22.0 | 19.0 | 16.6 | 12.0 | 8.4 | | |
| 145 | 21.0 | 23.0 | 21.8 | 19.0 | 16.6 | 12.0 | 8.4 | | |
| 150 | 19.2 | 21.2 | 21.4 | 18.8 | 16.4 | 12.0 | 8.4 | | |
| 155 | 17.6 | 19.6 | 21.2 | 18.8 | 16.4 | 12.0 | 8.4 | | |
| 160 | 15.8 | 17.8 | 20.2 | 18.6 | 16.4 | 12.0 | 8.4 | | |
| 165 | 14.0 | 16.0 | 18.2 | 18.4 | 16.2 | 11.8 | 8.4 | | |
| 170 | | 14.2 | 16.4 | 17.4 | 16.0 | 11.8 | 8.2 | | |
| 175 | | | 14.2 | 16.4 | 15.8 | 11.6 | 8.2 | | |
| 180 | | | | | 15.4 | 11.6 | 8.2 | | |
| 185 | | | | | | | 8.2 | | |
| 190 | | | | | | | | 8.2 | |





| Feet | 82° MAIN BOOM ANGLE | | | | | | |
|------|---------------------|------|------|------|------|-----|-----|
| | 51 | 72 | 87 | 108 | 123 | 144 | 160 |
| 65 | 21.2 | | | | | | |
| 70 | 20.8 | | | | | | |
| 75 | 20.6 | 18.4 | 16.6 | | | | |
| 80 | 20.2 | 18.2 | 16.6 | 13.6 | | | |
| 85 | 20.0 | 18.0 | 16.6 | 13.6 | 11.4 | | |
| 90 | 19.2 | 18.0 | 16.4 | 13.6 | 11.4 | | |
| 95 | 18.6 | 18.0 | 16.4 | 13.4 | 11.4 | 7.4 | |
| 100 | 18.0 | 17.6 | 16.2 | 13.4 | 11.4 | 7.4 | 4.4 |
| 105 | 17.4 | 17.2 | 15.8 | 13.4 | 11.4 | 7.4 | 4.4 |
| 110 | 16.8 | 16.6 | 15.6 | 13.2 | 11.2 | 7.4 | 4.4 |
| 115 | 16.2 | 16.2 | 15.2 | 13.2 | 11.2 | 7.4 | 4.4 |
| 120 | 15.6 | 15.6 | 15.0 | 13.2 | 11.2 | 7.4 | 4.4 |
| 125 | 15.2 | 15.2 | 14.8 | 13.2 | 11.2 | 7.4 | 4.4 |
| 130 | 14.4 | 14.6 | 14.4 | 13.0 | 11.2 | 7.4 | 4.4 |
| 135 | 14.0 | 14.2 | 14.0 | 12.8 | 11.2 | 7.4 | 4.4 |
| 140 | 13.8 | 13.8 | 13.6 | 12.6 | 11.0 | 7.4 | 4.4 |
| 145 | 13.4 | 13.4 | 13.2 | 12.4 | 11.0 | 7.4 | 4.4 |
| 150 | 12.8 | 13.0 | 12.8 | 12.2 | 11.0 | 7.4 | 4.4 |
| 155 | 12.6 | 12.6 | 12.6 | 12.0 | 11.0 | 7.2 | 4.4 |
| 160 | 12.0 | 12.2 | 12.2 | 11.8 | 11.0 | 7.2 | 4.4 |
| 165 | 11.6 | 11.8 | 11.8 | 11.4 | 10.8 | 7.2 | 4.4 |
| 170 | 11.2 | 11.6 | 11.6 | 11.2 | 10.6 | 7.2 | 4.4 |
| 175 | 11.0 | 11.2 | 11.2 | 11.0 | 10.4 | 7.2 | 4.4 |
| 180 | 10.6 | 10.8 | 11.0 | 10.8 | 10.2 | 7.2 | 4.4 |
| 185 | 10.2 | 10.4 | 10.8 | 10.4 | 10.0 | 7.2 | 4.4 |
| 190 | 10.0 | 10.2 | 10.4 | 10.2 | 10.0 | 7.2 | 4.4 |
| 195 | | 9.6 | 10.2 | 10.0 | 9.8 | 7.2 | 4.4 |
| 200 | | | | 9.8 | 9.4 | 7.2 | 4.4 |
| 205 | | | | | | 7.2 | 4.4 |
| 210 | | | | | | 7.2 | 4.4 |
| 215 | | | | | | | 4.4 |

