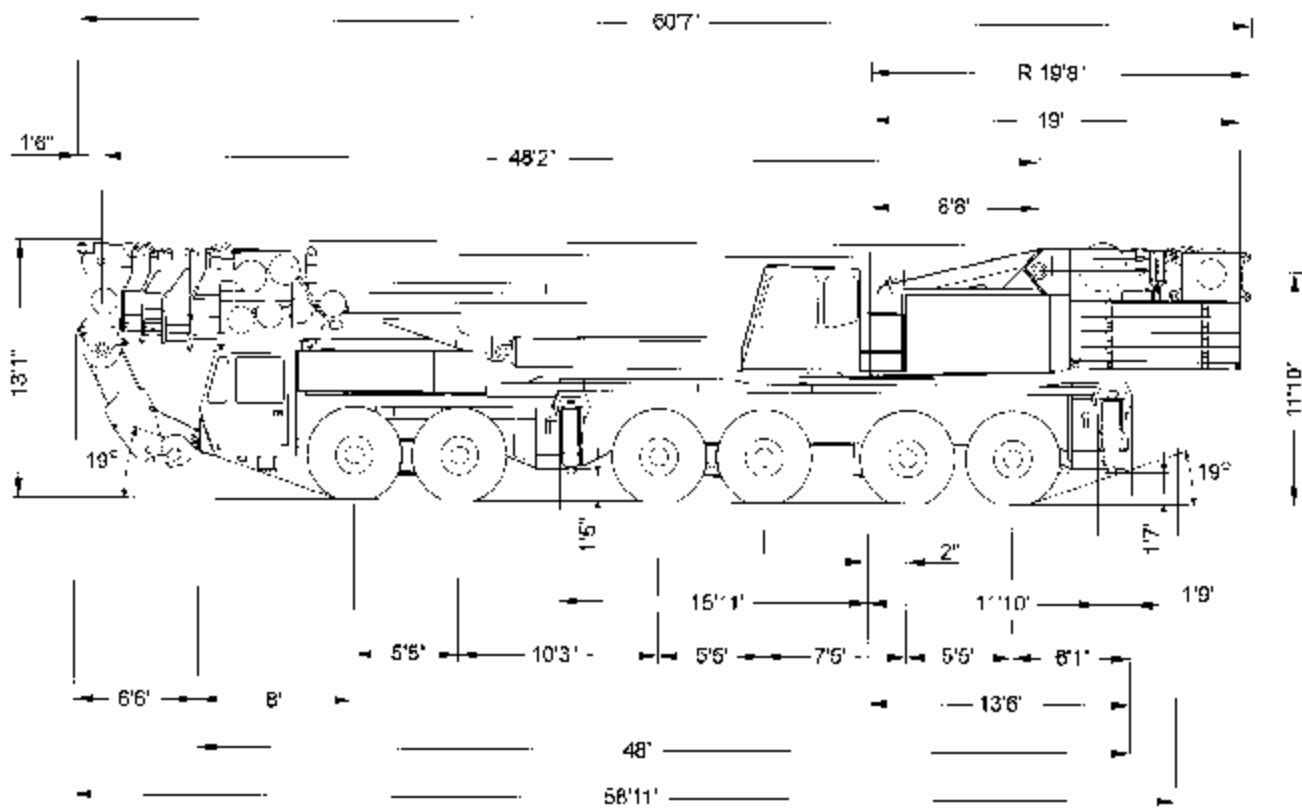


**DEMAG**  
**Material Handling Equipment**

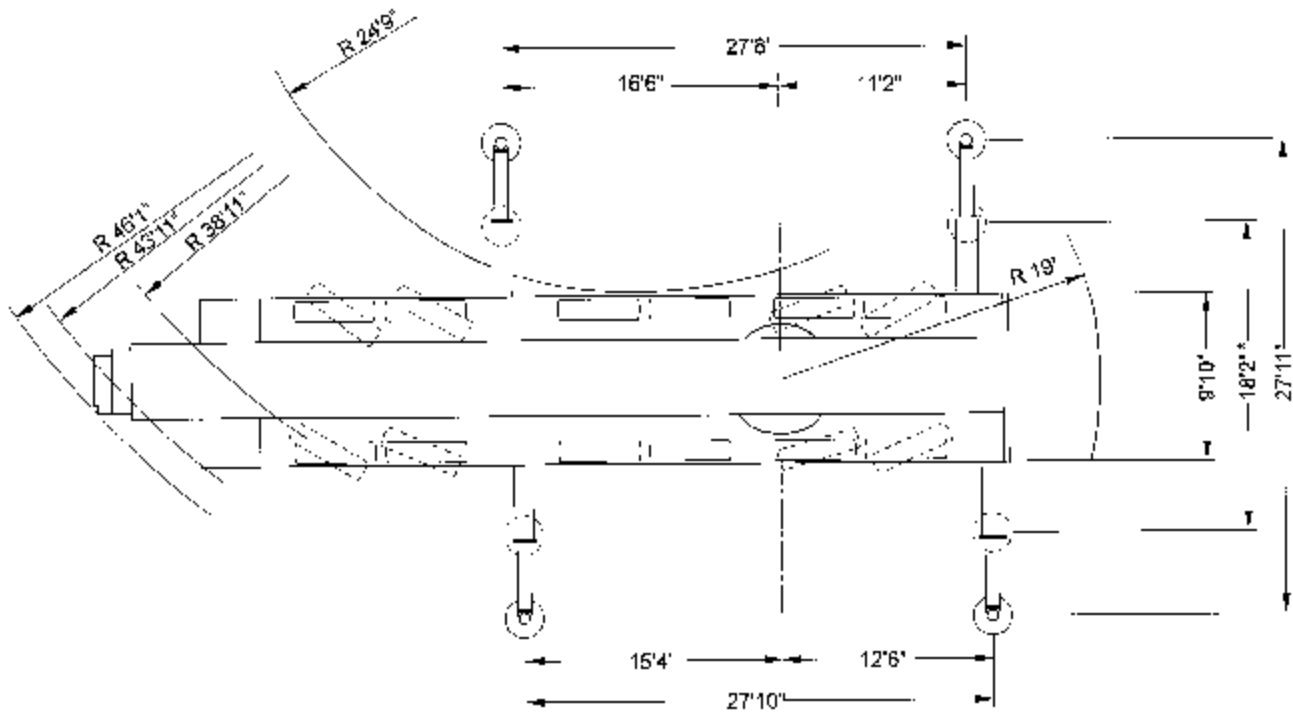
Mobile Cranes

# Demag AC 665

# Dimensions



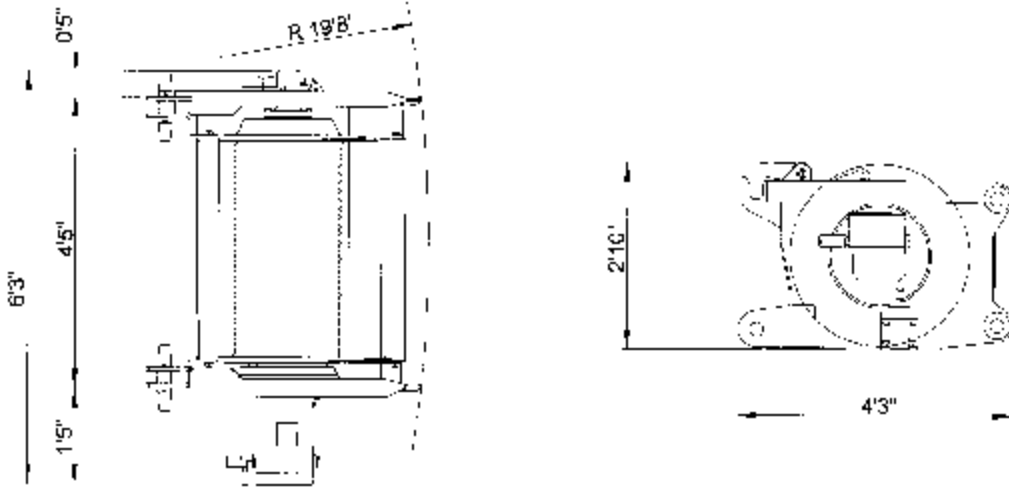
# Dimensions



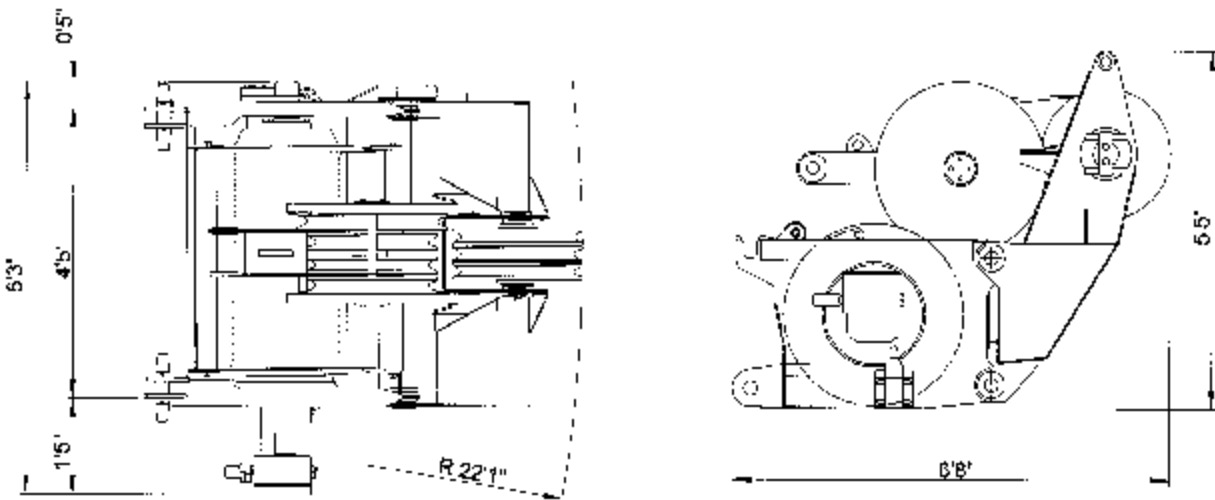
\* Duties with reduced outrigger base on request

# Dimensions

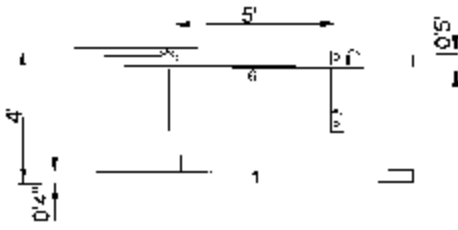
Hoist II



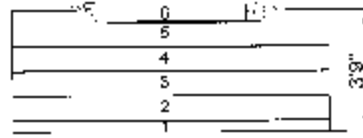
Hoist II with luffing mast bridle and luffing rope bridle



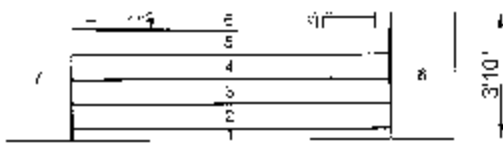
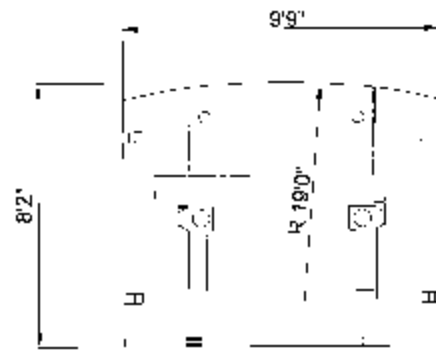
# Dimensions



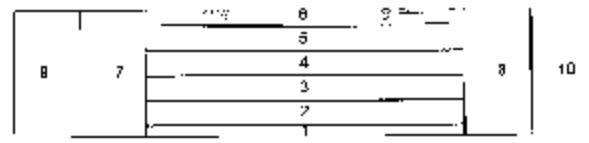
24,300 lb counterweight incl hoist II or equivalent weight for hoist II



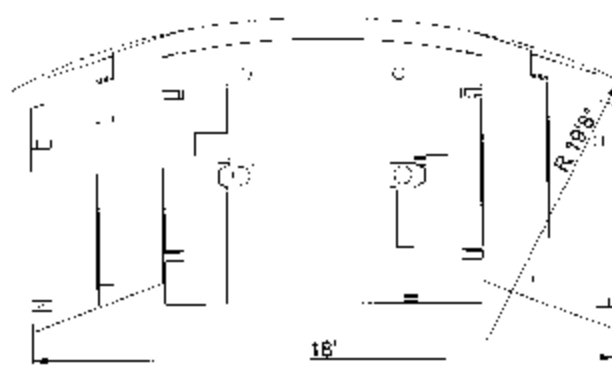
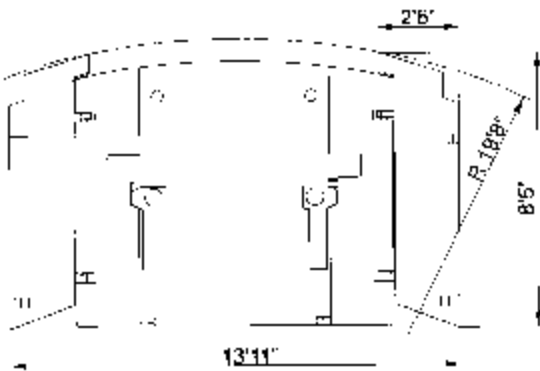
68,400 lb / 118,900 lb counterweight



167,600 lb counterweight (optional)



220,500 lb counterweight (optional)



# Specifications

## Working speeds (infinitely variable)

| Mechanisms        | Normal speed | High speed | Max. permissible line pull <sup>1)</sup> | Length of hoist rope   |
|-------------------|--------------|------------|--|--|
| Hoist I           | 164 ft/min   | 433 ft/min | 22,500 lb                                | 1.150 ft   |
| Hoist II          | 164 ft/min   | 433 ft/min | 22,500 lb                                | 1.550 ft   |
| Slewing           |              |            |  | max. 1.5 rpm   |
| Telescoping speed |              |            |  | 49.0 - 81.0 ft: 55 s<br>49.0 - 113.0 ft: 110 s<br>49.0 - 198.8 ft: 330 s |
| Boom elevation    |              |            |  | -1.3° - +82.5°: 86 s   |

## Carrier performance

|                  |             |
|------------------|-------------|
| Travel speed     | 0..43 mph   |
| Gradeability     | 65%         |
| Ground clearance | 1'5" / 1'7" |

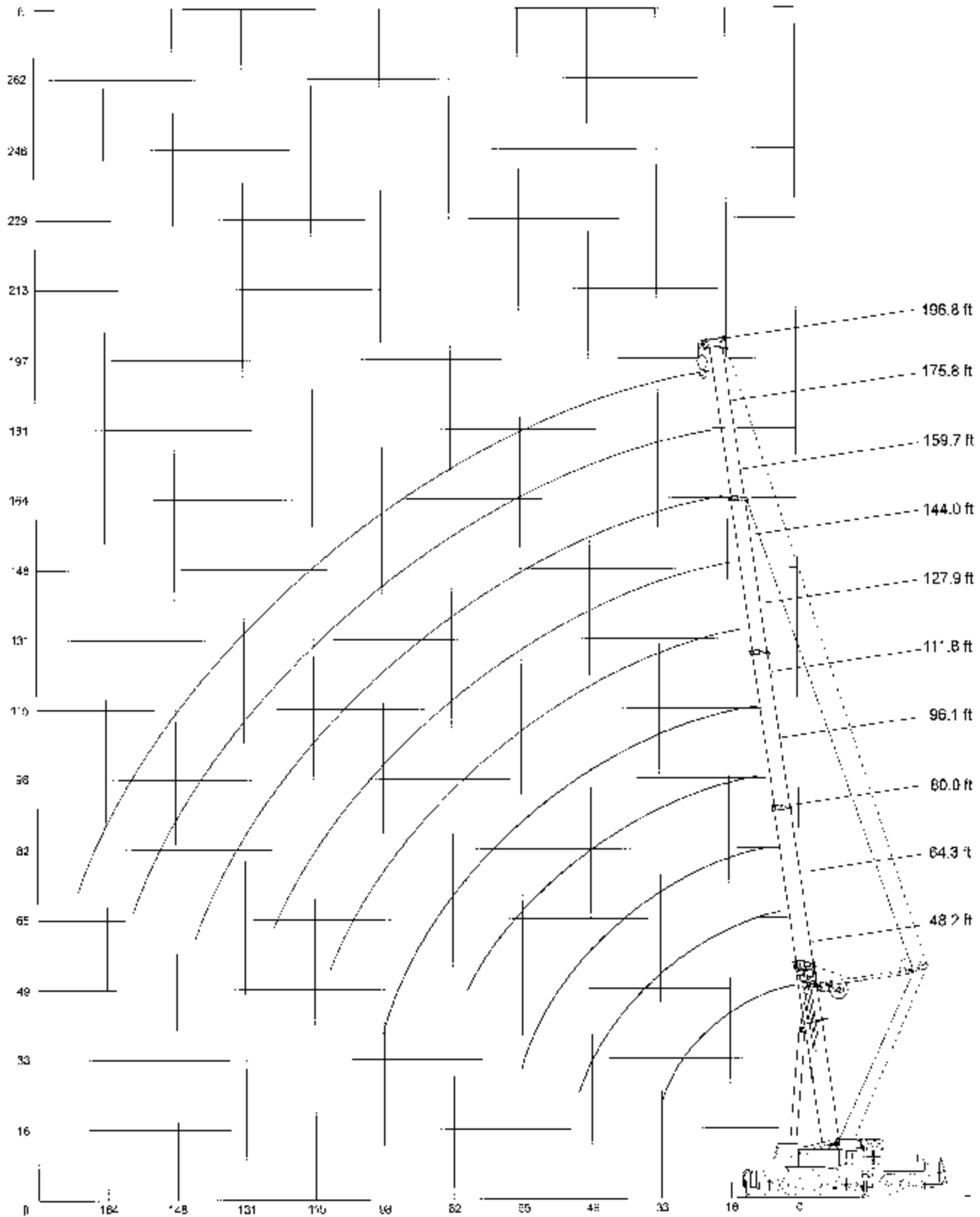
## Hook block/Single line hook

| Type                    | Possible load <sup>1)</sup> | Number of sheaves | Number of lines | Weight   | .D <sup>2)</sup> |
|-------------------------|-----------------------------|-------------------|-----------------|----------|------------------|
| 2 x 180 <sup>***)</sup> | 550,000 lb                  | 2 x 7             | 2 x 14          | 8,400 lb | 10 ft            |
| 250 <sup>**)</sup>      | 480,000 lb                  | 11                | 23              | 4,400 lb | 10 ft            |
| 200 <sup>*</sup>        | 405,000 lb                  | 9                 | 19              | 3,500 lb | 10 ft            |
| 160                     | 326,000 lb                  | 7                 | 15              | 3,100 lb | 10 ft            |
| 125                     | 245,000 lb                  | 5                 | 11              | 2,600 lb | 10 ft            |
| 80                      | 159,000 lb                  | 3                 | 7               | 2,300 lb | 10 ft            |
| 40                      | 68,000 lb                   | 1                 | 3               | 1,600 lb | 8 ft             |
| 12.5                    | 22,000 lb                   | Single line hook  | 1               | 1,300 lb | 7 ft             |

## Remarks

- <sup>1)</sup> varies depending on national regulations
- <sup>2)</sup> heavy-lift attachment (2 add. sheaves) required
- <sup>\*)</sup> heavy-lift attachment (4 add. sheaves) required
- <sup>\*\*\*)</sup> heavy lift attachment (2 add. sheaves) and bridle


# Working ranges main boom



# Lifting capacities main boom with Superlift

220,500 lb



 360°

85%

| Radius<br>ft | Main boom |          |          |          |          |          |          |
|--------------|-----------|----------|----------|----------|----------|----------|----------|
|              | 111.8 ft  | 127.9 ft | 144.0 ft | 144.0 ft | 159.7 ft | 175.8 ft | 191.8 ft |
|              | 1,000 lb  |          |          |          |          |          |          |
| 16           | 165.0     | -        | -        | -        | -        | -        | -        |
| 19           | 165.0     | 132.0    | -        | -        | -        | -        | -        |
| 25           | 165.0     | 132.0    | 121.0    | 88.0     | -        | -        | -        |
| 26           | 165.0     | 132.0    | 121.0    | 88.0     | 94.5     | -        | -        |
| 29           | 165.0     | 132.0    | 121.0    | 88.0     | 94.5     | 72.5     | -        |
| 33           | 160.0     | 129.5    | 113.5    | 88.0     | 94.5     | 72.5     | 55.1     |
| 39           | 145.0     | 122.5    | 113.5    | 88.0     | 94.5     | 72.5     | 55.1     |
| 46           | 123.0     | 112.0    | 106.5    | 80.0     | 94.5     | 72.5     | 55.1     |
| 52           | 106.0     | 103.0    | 99.5     | 75.0     | 92.5     | 72.5     | 55.1     |
| 59           | 90.5      | 88.0     | 89.0     | 69.0     | 90.0     | 72.5     | 55.1     |
| 65           | 60.0      | 78.0     | 79.0     | 88.0     | 80.0     | 72.5     | 55.1     |
| 72           | 70.5      | 68.5     | 69.5     | 82.0     | 70.5     | 68.0     | 55.1     |
| 79           | 82.5      | 61.0     | 81.0     | 58.5     | 63.0     | 64.5     | 55.1     |
| 85           | 56.5      | 54.7     | 55.2     | 56.9     | 56.7     | 56.5     | 54.4     |
| 92           | 50.2      | 48.6     | 48.6     | 53.0     | 50.9     | 52.3     | 52.3     |
| 98           | 41.6      | 43.7     | 44.2     | 50.2     | 45.5     | 47.5     | 47.9     |
| 105          | -         | 39.2     | 39.4     | 45.4     | 41.0     | 42.7     | 43.2     |
| 111          | -         | 34.8     | 36.0     | 41.7     | 37.3     | 39.1     | 39.5     |
| 118          | -         | -        | 32.2     | 38.1     | 33.5     | 35.3     | 35.7     |
| 124          | -         | -        | 29.8     | 35.5     | 30.7     | 32.5     | 32.7     |
| 131          | -         | -        | -        | -        | 27.8     | 29.6     | 29.8     |
| 138          | -         | -        | -        | -        | 24.9     | 26.8     | 27.2     |
| 144          | -         | -        | -        | -        | 18.6     | 24.8     | 25.0     |
| 151          | -         | -        | -        | -        | -        | 22.4     | 22.6     |
| 157          | -         | -        | -        | -        | -        | 18.6     | 21.0     |
| 164          | -         | -        | -        | -        | -        | -        | 19.1     |
| 170          | -         | -        | -        | -        | -        | -        | 15.5     |

Boom extension sequence in %

|        |    |    |    |    |    |    |     |
|--------|----|----|----|----|----|----|-----|
| Tale 1 | 45 | 90 | 90 | 0  | 90 | 90 | 100 |
| Tale 2 | 45 | 45 | 90 | 90 | 90 | 90 | 100 |
| Tale 3 | 45 | 45 | 45 | 90 | 90 | 90 | 100 |
| Tale 4 | 45 | 45 | 45 | 90 | 45 | 90 | 100 |



# Lifting capacities main boom with Superlift

167,600 lb



360°

85%

| Radius<br>ft | Main boom |          |          |                      |          |          |          |
|--------------|-----------|----------|----------|----------------------|----------|----------|----------|
|              | 111.8 ft  | 127.9 ft | 144.0 ft | 144.0 ft<br>1,000 lb | 159.7 ft | 175.9 ft | 196.8 ft |
| 18           | 165.0     | -        | -        | -                    | -        | -        | -        |
| 19           | 165.0     | 132.0    | -        | -                    | -        | -        | -        |
| 23           | 165.0     | 132.0    | 121.0    | 88.0                 | -        | -        | -        |
| 26           | 165.0     | 132.0    | 121.0    | 88.0                 | 94.5     | -        | -        |
| 29           | 165.0     | 132.0    | 121.0    | 88.0                 | 94.5     | 72.5     | -        |
| 33           | 160.0     | 129.5    | 118.5    | 88.0                 | 94.5     | 72.5     | 55.1     |
| 39           | 134.5     | 122.5    | 113.5    | 88.0                 | 94.5     | 72.5     | 55.1     |
| 48           | 110.0     | 108.5    | 103.5    | 80.0                 | 94.5     | 72.5     | 55.1     |
| 52           | 95.5      | 92.5     | 94.5     | 75.0                 | 92.5     | 72.5     | 55.1     |
| 59           | 80.5      | 78.0     | 79.0     | 69.0                 | 80.5     | 72.5     | 55.1     |
| 65           | 70.0      | 69.0     | 69.0     | 66.0                 | 71.0     | 71.5     | 55.1     |
| 72           | 61.5      | 59.9     | 60.0     | 62.0                 | 61.5     | 63.5     | 55.1     |
| 79           | 53.7      | 52.0     | 52.4     | 58.4                 | 53.9     | 55.9     | 64.9     |
| 85           | 47.9      | 46.3     | 46.8     | 52.9                 | 49.3     | 50.3     | 50.4     |
| 92           | 42.4      | 40.8     | 41.1     | 47.0                 | 42.6     | 44.4     | 44.8     |
| 98           | 38.4      | 36.4     | 37.1     | 43.0                 | 38.2     | 40.2     | 40.4     |
| 105          | -         | 32.4     | 32.6     | 38.7                 | 39.9     | 35.9     | 36.1     |
| 111          | -         | 29.1     | 29.6     | 36.5                 | 30.7     | 32.5     | 32.9     |
| 118          | -         | -        | 26.2     | 32.2                 | 27.6     | 29.3     | 29.8     |
| 124          | -         | -        | 23.4     | 29.8                 | 24.9     | 26.7     | 26.9     |
| 131          | -         | -        | -        | -                    | 21.9     | 24.1     | 24.3     |
| 138          | -         | -        | -        | -                    | 19.1     | 21.0     | 21.7     |
| 144          | -         | -        | -        | -                    | 17.0     | 19.0     | 19.3     |
| 151          | -         | -        | -        | -                    | -        | 16.7     | 16.9     |
| 157          | -         | -        | -        | -                    | -        | 15.1     | 15.3     |
| 164          | -         | -        | -        | -                    | -        | -        | 13.4     |
| 170          | -         | -        | -        | -                    | -        | -        | 11.8     |

Boom extension sequence in %

|        |    |    |    |    |    |    |     |
|--------|----|----|----|----|----|----|-----|
| Tele 1 | 45 | 90 | 90 | 0  | 90 | 90 | 100 |
| Tele 2 | 45 | 45 | 90 | 90 | 90 | 90 | 100 |
| Tele 3 | 45 | 45 | 45 | 90 | 90 | 90 | 100 |
| Tele 4 | 45 | 45 | 45 | 90 | 45 | 90 | 100 |

# Lifting capacities main boom

220,500 lb



360°

85%

| Radius<br>ft | Main boom             |         |         |         |         |          |          |          |          |          |          |          |      |
|--------------|-----------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|------|
|              | 48.2 <sup>1)</sup> ft | 48.2 ft | 64.3 ft | 80.0 ft | 96.1 ft | 111.8 ft | 111.8 ft | 127.9 ft | 144.0 ft | 159.7 ft | 175.9 ft | 196.8 ft |      |
| B            | 1,000 lb              |         |         |         |         |          |          |          |          |          |          |          |      |
| 10           | 600.0 <sup>2)</sup>   | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -    |
| 11           | 544.0 <sup>2)</sup>   | 465.0*  | 319.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -    |
| 13           | 434.0*                | 401.0*  | 319.0   | 264.0   | -       | -        | -        | -        | -        | -        | -        | -        | -    |
| 15           | 393.0*                | 364.0*  | 312.0   | 264.0   | 209.0   | -        | -        | -        | -        | -        | -        | -        | -    |
| 16           | 363.0*                | 348.0   | 309.0   | 264.0   | 209.0   | -        | -        | -        | -        | -        | -        | -        | -    |
| 19           | 311.0                 | 308.0   | 284.0   | 264.0   | 209.0   | 158.5    | 158.5    | -        | -        | -        | -        | -        | -    |
| 23           | 257.0                 | 257.0   | 253.0   | 242.0   | 193.5   | 158.5    | 158.5    | 132.0    | -        | -        | -        | -        | -    |
| 26           | 227.0                 | 227.0   | 222.0   | 222.0   | 178.5   | 154.5    | 158.5    | 132.0    | 121.5    | -        | -        | -        | -    |
| 29           | 209.0                 | 209.0   | 199.0   | 201.0   | 165.0   | 144.0    | 153.0    | 132.0    | 117.5    | 84.5     | -        | -        | -    |
| 33           | 177.0                 | 177.0   | 173.0   | 174.0   | 150.0   | 130.5    | 142.5    | 122.5    | 108.5    | 84.5     | 72.5     | -        | -    |
| 39           | -                     | -       | 144.0   | 145.0   | 132.0   | 114.5    | 129.5    | 107.5    | 96.3     | 86.0     | 72.5     | 55.1     | -    |
| 46           | -                     | -       | 117.5   | 118.5   | 114.0   | 99.0     | 116.5    | 93.5     | 84.5     | 77.0     | 67.0     | 55.0     | -    |
| 52           | -                     | -       | 101.5   | 102.5   | 100.0   | 89.0     | 106.5    | 84.5     | 75.5     | 69.0     | 61.5     | 52.6     | -    |
| 59           | -                     | -       | -       | 88.0    | 86.0    | 78.0     | 91.5     | 76.0     | 68.0     | 62.0     | 55.8     | 48.5     | -    |
| 65           | -                     | -       | -       | 78.0    | 75.5    | 71.0     | 81.5     | 70.0     | 63.0     | 56.8     | 51.7     | 45.1     | -    |
| 72           | -                     | -       | -       | -       | 66.0    | 64.0     | 71.5     | 63.5     | 57.4     | 51.9     | 47.7     | 41.3     | -    |
| 79           | -                     | -       | -       | -       | 57.8    | 58.1     | 64.5     | 58.2     | 52.3     | 47.4     | 44.2     | 38.0     | -    |
| 85           | -                     | -       | -       | -       | -       | 52.5     | 58.5     | 54.0     | 48.4     | 44.0     | 41.7     | 35.4     | -    |
| 92           | -                     | -       | -       | -       | -       | 48.3     | 52.3     | 49.7     | 44.2     | 40.5     | 38.9     | 32.3     | -    |
| 98           | -                     | -       | -       | -       | -       | 38.2     | 45.5     | 46.2     | 41.2     | 37.8     | 36.7     | 30.3     | -    |
| 105          | -                     | -       | -       | -       | -       | -        | -        | 41.0     | 37.9     | 35.0     | 34.1     | 27.9     | -    |
| 111          | -                     | -       | -       | -       | -       | -        | -        | 37.5     | 35.4     | 32.8     | 32.1     | 26.5     | -    |
| 113          | -                     | -       | -       | -       | -       | -        | -        | -        | 32.8     | 30.4     | 30.0     | 24.9     | -    |
| 124          | -                     | -       | -       | -       | -       | -        | -        | -        | 31.0     | 28.4     | 28.2     | 23.5     | -    |
| 131          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | 26.5     | 26.5     | 22.3     | -    |
| 138          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | 24.3     | 24.5     | 21.1     | -    |
| 144          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | 21.1     | 23.2     | 20.1     | -    |
| 151          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | -        | 22.0     | 18.8     | -    |
| 157          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | -        | 20.8     | 18.1     | -    |
| 164          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 16.9     | -    |
| 170          | -                     | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | 15.9 |

## Boom extension sequence in %

|        |   |   |    |    |    |    |    |    |    |    |    |     |
|--------|---|---|----|----|----|----|----|----|----|----|----|-----|
| Tela 1 | 0 | 0 | 45 | 45 | 90 | 90 | 45 | 90 | 90 | 90 | 90 | 100 |
| Tela 2 | 0 | 0 | 0  | 45 | 45 | 90 | 45 | 45 | 90 | 90 | 90 | 100 |
| Tela 3 | 0 | 0 | 0  | 0  | 0  | 0  | 45 | 45 | 45 | 90 | 90 | 100 |
| Tela 4 | 0 | 0 | 0  | 0  | 0  | 0  | 45 | 45 | 45 | 45 | 80 | 100 |

## Remarks

- \* with heavy duty attachment
- \*\* with heavy duty attachment, double hook block
- <sup>1)</sup> only over rear
- <sup>2)</sup> with heavy duty attachment, double hook block and add. centra outriggers

# Lifting capacities main boom

167,600 lb



360°

85%

| Radius<br>ft | Main boom |         |         |         |          |          |          |          |          |          |          |   |
|--------------|-----------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---|
|              | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 111.8 ft | 111.8 ft | 127.9 ft | 144.0 ft | 159.7 ft | 175.8 ft | 191.8 ft |   |
|              | 1,000 lb  |         |         |         |          |          |          |          |          |          |          |   |
| 10           | 452.0*    | 319.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | - |
| 11           | 428.0*    | 319.0   | 264.0   | -       | -        | -        | -        | -        | -        | -        | -        | - |
| 13           | 386.0*    | 319.0   | 264.0   | -       | -        | -        | -        | -        | -        | -        | -        | - |
| 15           | 350.0*    | 312.0   | 264.0   | 209.0   | -        | -        | -        | -        | -        | -        | -        | - |
| 16           | 337.0*    | 309.0   | 264.0   | 209.0   | -        | -        | -        | -        | -        | -        | -        | - |
| 18           | 287.0     | 279.0   | 264.0   | 209.0   | 158.5    | 158.5    | -        | -        | -        | -        | -        | - |
| 23           | 235.0     | 231.0   | 233.0   | 193.5   | 158.5    | 158.5    | 132.0    | -        | -        | -        | -        | - |
| 26           | 208.0     | 203.0   | 205.0   | 176.5   | 154.5    | 158.5    | 132.0    | 121.5    | -        | -        | -        | - |
| 29           | 183.5     | 182.0   | 183.0   | 165.0   | 144.0    | 159.0    | 132.0    | 117.5    | 94.5     | -        | -        | - |
| 33           | 160.5     | 156.5   | 158.5   | 150.0   | 130.5    | 142.5    | 122.5    | 108.5    | 94.5     | 72.5     | -        | - |
| 39           | -         | 129.5   | 130.5   | 128.0   | 114.5    | 129.5    | 107.5    | 96.5     | 86.0     | 72.5     | 55.1     | - |
| 46           | -         | 106.5   | 106.5   | 105.5   | 99.0     | 112.0    | 93.5     | 84.5     | 77.0     | 67.0     | 55.0     | - |
| 52           | -         | 90.5    | 90.5    | 89.5    | 89.0     | 97.0     | 84.5     | 75.5     | 69.0     | 61.5     | 52.6     | - |
| 59           | -         | -       | 77.0    | 75.0    | 76.0     | 81.5     | 76.0     | 66.0     | 60.0     | 55.8     | 48.5     | - |
| 65           | -         | -       | 67.0    | 65.5    | 66.0     | 72.5     | 70.0     | 63.0     | 56.9     | 51.7     | 45.1     | - |
| 72           | -         | -       | -       | 56.4    | 57.1     | 63.0     | 60.5     | 57.4     | 51.9     | 47.7     | 41.3     | - |
| 79           | -         | -       | -       | 46.8    | 49.5     | 55.5     | 53.3     | 52.2     | 47.4     | 44.2     | 38.0     | - |
| 85           | -         | -       | -       | -       | 43.9     | 50.1     | 47.6     | 47.8     | 44.0     | 41.7     | 35.4     | - |
| 92           | -         | -       | -       | -       | 38.7     | 44.6     | 42.2     | 42.4     | 40.5     | 38.9     | 32.3     | - |
| 98           | -         | -       | -       | -       | 34.6     | 40.4     | 38.0     | 38.2     | 37.8     | 36.7     | 30.3     | - |
| 105          | -         | -       | -       | -       | -        | -        | 33.9     | 34.1     | 35.0     | 34.1     | 27.9     | - |
| 111          | -         | -       | -       | -       | -        | -        | 30.9     | 30.9     | 32.2     | 32.1     | 26.5     | - |
| 118          | -         | -       | -       | -       | -        | -        | -        | 27.6     | 28.7     | 30.0     | 24.9     | - |
| 124          | -         | -       | -       | -       | -        | -        | -        | 24.7     | 26.3     | 27.6     | 23.5     | - |
| 131          | -         | -       | -       | -       | -        | -        | -        | -        | 22.9     | 24.7     | 22.0     | - |
| 138          | -         | -       | -       | -       | -        | -        | -        | -        | 20.2     | 21.9     | 21.1     | - |
| 144          | -         | -       | -       | -       | -        | -        | -        | -        | 18.4     | 19.9     | 20.1     | - |
| 151          | -         | -       | -       | -       | -        | -        | -        | -        | -        | 17.6     | 18.0     | - |
| 157          | -         | -       | -       | -       | -        | -        | -        | -        | -        | 16.2     | 16.4     | - |
| 164          | -         | -       | -       | -       | -        | -        | -        | -        | -        | -        | 14.5     | - |
| 172          | -         | -       | -       | -       | -        | -        | -        | -        | -        | -        | 13.1     | - |

Boom extension sequence in %

|        |   |    |    |    |    |    |    |    |    |    |     |
|--------|---|----|----|----|----|----|----|----|----|----|-----|
| Tele 1 | 0 | 45 | 45 | 90 | 90 | 45 | 90 | 90 | 30 | 90 | 100 |
| Tele 2 | 0 | 0  | 45 | 45 | 90 | 45 | 45 | 90 | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 0  | 45 | 45 | 45 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 0  | 45 | 45 | 45 | 45 | 90 | 100 |

Remarks

- \* with heavy duty attachment
- \* with heavy duty attachment, double hook block
- <sup>1)</sup> only over rear
- <sup>2)</sup> with heavy duty attachment, double hook block and add. central outriggers

# Lifting capacities main boom

116,900 lb



360°

85%

| Radius<br>ft | Main boom |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |   |
|--------------|-----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|              | 48.2 ft   | 54.3 ft | 80.0 ft | 96.1 ft | 96.1 ft | 111.8 ft | 111.8 ft | 111.8 ft | 127.9 ft | 127.9 ft | 144.0 ft | 144.0 ft | 144.0 ft | 154.5 ft | 154.5 ft | 159.7 ft | 175.8 ft | 196.8 ft |   |
|              | 1,000 lb  |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |   |
| 10           | 437.0*    | 319.0   | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 11           | 414.0*    | 319.0   | 264.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 13           | 372.0*    | 319.0   | 264.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 15           | 332.0*    | 311.0   | 264.0   | 209.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 16           | 312.0     | 303.0   | 264.0   | 209.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 19           | 262.0     | 259.0   | 252.0   | 209.0   | 134.0   | 158.5    | 158.5    | 74.5     | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 23           | 215.0     | 211.0   | 213.0   | 193.5   | 134.0   | 158.5    | 158.5    | 74.5     | 132.0    | 80.0     | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 26           | 189.5     | 185.0   | 185.0   | 178.5   | 134.0   | 154.5    | 158.5    | 74.5     | 132.0    | 80.0     | 12.5     | 61.5     | 46.7     | -        | -        | -        | -        | -        | - |
| 29           | 167.0     | 164.0   | 164.0   | 161.5   | 125.0   | 144.0    | 153.0    | 74.5     | 132.0    | 80.0     | 117.5    | 61.5     | 46.7     | 64.5     | -        | -        | -        | -        | - |
| 33           | 144.0     | 140.0   | 142.0   | 140.0   | 114.0   | 130.5    | 142.5    | 72.0     | 122.5    | 80.0     | 108.5    | 61.5     | 46.7     | 94.5     | 72.5     | -        | -        | -        | - |
| 39           | -         | 114.0   | 116.0   | 114.0   | 100.0   | 113.0    | 120.0    | 64.0     | 107.5    | 73.0     | 96.5     | 61.5     | 46.7     | 86.0     | 72.5     | 55.1     | -        | -        | - |
| 46           | -         | 90.0    | 90.0    | 88.0    | 88.0    | 90.0     | 96.5     | 55.9     | 93.5     | 85.5     | 84.5     | 58.1     | 46.7     | 77.0     | 67.0     | 55.0     | -        | -        | - |
| 62           | -         | 78.0    | 78.0    | 75.5    | 80.0    | 76.0     | 82.5     | 50.2     | 80.0     | 59.5     | 75.5     | 53.3     | 46.7     | 69.0     | 61.5     | 52.8     | -        | -        | - |
| 69           | -         | -       | 66.0    | 64.0    | 72.5    | 85.0     | 70.5     | 45.0     | 68.0     | 53.1     | 68.0     | 48.3     | 43.4     | 62.0     | 55.8     | 48.5     | -        | -        | - |
| 85           | -         | -       | 57.1    | 64.7    | 65.5    | 55.8     | 62.5     | 41.5     | 60.0     | 48.7     | 60.5     | 44.4     | 40.2     | 56.9     | 51.7     | 45.1     | -        | -        | - |
| 72           | -         | -       | -       | 44.7    | 56.6    | 45.8     | 52.8     | 38.4     | 50.5     | 44.4     | 50.9     | 40.6     | 36.9     | 51.9     | 47.7     | 41.3     | -        | -        | - |
| 79           | -         | -       | -       | 36.9    | 48.6    | 37.8     | 45.1     | 35.8     | 42.5     | 40.8     | 43.1     | 37.1     | 33.6     | 44.7     | 44.1     | 38.0     | -        | -        | - |
| 85           | -         | -       | -       | -       | -       | 32.0     | 39.7     | 33.6     | 36.6     | 38.0     | 37.3     | 34.7     | 30.9     | 39.0     | 40.9     | 35.4     | -        | -        | - |
| 92           | -         | -       | -       | -       | -       | 26.5     | 34.0     | 30.8     | 31.2     | 35.4     | 31.8     | 32.1     | 28.3     | 33.7     | 35.3     | 32.9     | -        | -        | - |
| 98           | -         | -       | -       | -       | -       | 22.7     | 30.2     | 30.4     | 27.1     | 33.2     | 27.6     | 30.1     | 26.1     | 28.9     | 30.9     | 30.3     | -        | -        | - |
| 105          | -         | -       | -       | -       | -       | -        | -        | -        | 23.1     | 29.7     | 23.5     | 27.9     | 23.8     | 24.6     | 26.6     | 27.5     | -        | -        | - |
| 111          | -         | -       | -       | -       | -       | -        | -        | -        | 20.8     | 26.7     | 20.3     | 26.3     | 21.9     | 21.6     | 23.8     | 24.3     | -        | -        | - |
| 118          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | 17.0     | 24.7     | 20.3     | 18.5     | 20.5     | 20.8     | -        | -        | - |
| 124          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | 14.8     | 22.7     | 18.8     | 15.9     | 17.9     | 16.5     | -        | -        | - |
| 131          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 20.3     | 17.4     | 13.5     | 15.3     | 15.7     | -        | -        | - |
| 138          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | 16.0     | 11.4     | 13.1     | 13.3     | -        | -        | - |
| 144          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | 9.5      | 11.5     | 11.7     | -        | -        | - |
| 151          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | 9.4      | 9.9      | -        | -        | - |
| 157          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | 6.0      | 8.2      | -        | -        | - |
| 164          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 7.0      | -        | -        | - |
| 170          | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | 5.8      | -        | -        | - |

Boom extension sequence in %

|        |   |    |    |    |    |    |    |    |    |    |    |    |     |    |    |     |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| Tele 1 | 0 | 45 | 45 | 90 | 0  | 90 | 45 | 0  | 90 | 0  | 90 | 0  | 0   | 90 | 90 | 100 |
| Tele 2 | 0 | 0  | 45 | 45 | 45 | 90 | 45 | 0  | 45 | 90 | 90 | 90 | 100 | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 90 | 45 | 90 | 100 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 45 | 45 | 90 | 100 | 45 | 90 | 100 |

Remarks

- \* with heavy duty attachment
- Special boom extension sequence

# Lifting capacities main boom

68,400 lb



360°

85%

| Radius | Main boom |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |   |
|--------|-----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 96.1 ft | 111.8 ft | 111.8 ft | 111.8 ft | 127.9 ft | 127.9 ft | 144.0 ft | 144.0 ft | 154.5 ft | 159.7 ft | 175.8 ft | 188.8 ft |   |
| ft     | 1,000 lb  |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |   |
| 10     | 421.0*    | 319.0   | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 11     | 397.0*    | 319.0   | 264.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 13     | 345.0*    | 319.0   | 264.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 15     | 299.0     | 295.0   | 264.0   | 209.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 16     | 280.0     | 278.0   | 264.0   | 209.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 19     | 236.0     | 231.0   | 233.0   | 209.0   | 134.0   | 158.5    | 158.5    | 74.5     | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 23     | 193.5     | 189.0   | 181.0   | 189.0   | 134.0   | 158.5    | 158.5    | 74.5     | 132.0    | 80.0     | -        | -        | -        | -        | -        | -        | - |
| 26     | 165.0     | 163.0   | 163.0   | 161.0   | 134.0   | 154.5    | 158.5    | 74.5     | 132.0    | 80.0     | 121.5    | 61.5     | 46.7     | -        | -        | -        | - |
| 29     | 144.5     | 142.0   | 142.0   | 140.0   | 125.0   | 141.0    | 147.5    | 74.5     | 132.0    | 80.0     | 117.5    | 61.5     | 46.7     | 94.5     | -        | -        | - |
| 33     | 122.0     | 120.0   | 120.0   | 118.0   | 114.0   | 120.0    | 124.5    | 72.0     | 122.5    | 80.0     | 106.5    | 61.5     | 46.7     | 94.5     | 72.5     | -        | - |
| 39     | -         | 92.0    | 98.0    | 92.0    | 100.0   | 92.0     | 102.5    | 84.0     | 100.5    | 73.0     | 96.5     | 61.5     | 46.7     | 86.0     | 72.5     | 35.1     | - |
| 46     | -         | 70.0    | 70.0    | 68.0    | 81.0    | 68.0     | 77.0     | 55.8     | 74.5     | 65.5     | 74.5     | 58.1     | 46.7     | 77.0     | 67.0     | 35.0     | - |
| 52     | -         | 55.2    | 56.0    | 53.4    | 67.0    | 54.6     | 63.0     | 50.2     | 60.0     | 59.5     | 61.0     | 53.3     | 46.7     | 63.0     | 51.5     | 32.6     | - |
| 59     | -         | -       | 42.4    | 39.3    | 53.6    | 40.6     | 49.2     | 45.0     | 46.6     | 53.1     | 47.2     | 48.3     | 43.4     | 49.0     | 31.2     | 28.5     | - |
| 65     | -         | -       | 33.5    | 30.4    | 44.5    | 31.5     | 40.6     | 41.5     | 37.3     | 45.1     | 38.1     | 44.4     | 40.2     | 40.1     | 42.3     | 32.5     | - |
| 72     | -         | -       | -       | 22.4    | 36.5    | 23.7     | 32.1     | 38.4     | 29.0     | 37.0     | 29.9     | 38.9     | 36.9     | 31.7     | 34.1     | 34.5     | - |
| 79     | -         | -       | -       | 8.5     | 29.8    | 17.4     | 25.8     | 34.2     | 22.7     | 30.4     | 23.3     | 32.4     | 33.0     | 24.9     | 27.5     | 28.0     | - |
| 85     | -         | -       | -       | -       | 19.2    | 21.9     | 29.7     | 18.3     | 25.8     | 18.7     | 27.7     | 28.4     | 20.5     | 22.7     | 23.3     | -        | - |
| 92     | -         | -       | -       | -       | 9.1     | 17.1     | 25.5     | 14.2     | 21.3     | 14.4     | 23.0     | 23.9     | 16.2     | 18.4     | 18.8     | -        | - |
| 99     | -         | -       | -       | -       | 6.3     | 14.1     | 22.2     | 11.0     | 18.2     | 11.4     | 20.0     | 20.7     | 13.0     | 15.2     | 15.6     | -        | - |
| 105    | -         | -       | -       | -       | -       | -        | -        | 6.1      | 14.9     | 8.1      | 16.7     | 17.1     | 9.9      | 11.9     | 12.5     | -        | - |
| 111    | -         | -       | -       | -       | -       | -        | -        | 6.1      | 12.7     | 6.1      | 14.5     | 14.9     | 7.7      | 9.6      | 10.1     | -        | - |
| 118    | -         | -       | -       | -       | -       | -        | -        | -        | -        | 3.7      | 11.9     | 12.6     | 5.0      | 7.3      | 7.7      | -        | - |
| 124    | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | 10.1     | 10.7     | 3.5      | 5.4      | 5.9      | -        | - |
| 131    | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | 8.6      | 8.8      | -        | 3.5      | 4.0      | -        | - |
| 138    | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 7.2      | -        | -        | 2.3      | -        | - |

Room extension sequence in %:

| Tote   | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14 | 15 | 16  |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| Tote 1 | 0 | 45 | 45 | 90 | 0  | 90 | 45 | 0  | 90 | 0  | 80 | 0  | 0   | 90 | 90 | 100 |
| Tote 2 | 0 | 0  | 45 | 45 | 45 | 90 | 45 | 0  | 45 | 90 | 80 | 90 | 100 | 90 | 90 | 100 |
| Tote 3 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 90 | 45 | 90 | 100 | 90 | 90 | 100 |
| Tote 4 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 45 | 45 | 90 | 100 | 45 | 90 | 100 |

Remarks

- \* with heavy duty attachment
- Special boom extension sequence

# Lifting capacities main boom

24,300 lb



360°

85%

| Radius | Main boom |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |   |
|--------|-----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 96.1 ft | 111.8 ft | 111.8 ft | 111.8 ft | 127.9 ft | 127.9 ft | 144.0 ft | 144.0 ft | 154.5 ft | 159.7 ft | 175.9 ft | 196.8 ft |   |
| #      | t,000 lb  |         |         |         |         |          |          |          |          |          |          |          |          |          |          |          |   |
| 10     | 368.0*    | 306.0   | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 11     | 331.0     | 306.0   | 253.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 13     | 278.0     | 273.0   | 253.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 15     | 239.0     | 240.0   | 239.0   | 200.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 16     | 225.0     | 223.0   | 224.0   | 200.0   | 134.0   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 18     | 187.0     | 182.5   | 185.0   | 179.5   | 134.0   | 154.0    | 152.5    | 74.5     | -        | -        | -        | -        | -        | -        | -        | -        | - |
| 23     | 148.5     | 140.5   | 143.0   | 140.5   | 134.0   | 129.5    | 136.5    | 74.5     | 125.5    | 90.0     | -        | -        | -        | -        | -        | -        | - |
| 26     | 123.0     | 118.5   | 120.5   | 116.5   | 114.0   | 117.5    | 125.5    | 74.5     | 111.0    | 90.0     | 112.0    | 81.5     | 46.7     | -        | -        | -        | - |
| 29     | 99.0      | 82.5    | 95.0    | 92.0    | 105.0   | 94.5     | 103.5    | 74.5     | 99.0     | 80.0     | 99.0     | 61.5     | 46.7     | 95.0     | -        | -        | - |
| 33     | 71.0      | 67.5    | 69.5    | 65.0    | 82.5    | 67.5     | 70.5     | 72.0     | 78.0     | 76.5     | 78.0     | 61.5     | 46.7     | 74.0     | 69.5     | -        | - |
| 39     | -         | 44.2    | 45.7    | 42.8    | 58.4    | 44.4     | 53.9     | 62.5     | 50.7     | 59.0     | 51.5     | 60.0     | 46.7     | 52.0     | 52.2     | 48.9     | - |
| 46     | -         | 27.9    | 29.2    | 28.3    | 40.6    | 27.9     | 36.0     | 45.0     | 33.4     | 41.1     | 34.0     | 43.3     | 44.2     | 34.9     | 35.8     | 34.9     | - |
| 52     | -         | 19.4    | 20.5    | 17.8    | 30.7    | 19.2     | 27.0     | 35.0     | 24.3     | 31.4     | 24.7     | 33.4     | 34.1     | 25.4     | 26.7     | 25.8     | - |
| 58     | -         | -       | 12.8    | 3.6     | 22.7    | 1.0      | 18.0     | 26.7     | 16.5     | 23.2     | 18.8     | 25.1     | 25.8     | 17.4     | 18.8     | 18.3     | - |
| 65     | -         | -       | 7.5     | 4.2     | 17.9    | 5.8      | 14.1     | 21.6     | 11.5     | 18.1     | 11.7     | 19.9     | 20.8     | 12.8     | 13.9     | 13.7     | - |
| 72     | -         | -       | -       | -       | 13.3    | -        | 9.5      | 17.0     | 6.3      | 13.7     | 7.1      | 15.9     | 16.2     | 8.0      | 9.3      | 9.3      | - |
| 79     | -         | -       | -       | -       | 8.7     | -        | 5.8      | 13.3     | 2.2      | 10.0     | 3.1      | 11.8     | 12.4     | 4.7      | 5.8      | 5.8      | - |
| 85     | -         | -       | -       | -       | -       | -        | 2.7      | 11.1     | -        | 7.4      | -        | 9.3      | 9.8      | -        | 3.6      | 3.6      | - |
| 92     | -         | -       | -       | -       | -       | -        | -        | 8.7      | -        | 4.3      | -        | 6.3      | 7.2      | -        | -        | -        | - |
| 98     | -         | -       | -       | -       | -       | -        | -        | 6.5      | -        | 2.5      | -        | 4.3      | 5.2      | -        | -        | -        | - |
| 106    | -         | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 2.4      | 3.0      | -        | -        | -        | - |

Boom extension sequence in %:

| Tele   | 0 | 45 | 45 | 90 | 0  | 90 | 45 | 0  | 90 | 0  | 90 | 0  | 0   | 90 | 90 | 100 |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| Tele 1 | 0 | 45 | 45 | 90 | 0  | 90 | 45 | 0  | 90 | 0  | 90 | 0  | 0   | 90 | 90 | 100 |
| Tele 2 | 0 | 0  | 45 | 45 | 45 | 90 | 45 | 0  | 45 | 90 | 90 | 90 | 100 | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 90 | 45 | 90 | 100 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 45 | 45 | 90 | 100 | 45 | 90 | 100 |

**Remarks**

- \* with heavy duty attachment
- Special boom extension sequence

# Lifting capacities main boom

0 lb   360° 85%

| Radius | Main boom |         |         |         |         |          |          |          |          |
|--------|-----------|---------|---------|---------|---------|----------|----------|----------|----------|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 96.1 ft | 111.8 ft | 127.9 ft | 144.0 ft | 154.5 ft |
| ft     | 1,000 lb  |         |         |         |         |          |          |          |          |
| 10     | 282.0     | 254.0   | -       | -       | -       | -        | -        | -        | -        |
| 11     | 258.0     | 249.0   | 211.0   | -       | -       | -        | -        | -        | -        |
| 13     | 222.0     | 218.0   | 211.0   | -       | -       | -        | -        | -        | -        |
| 15     | 192.0     | 188.5   | 190.5   | 107.5   | 134.0   | -        | -        | -        | -        |
| 18     | 179.0     | 176.0   | 177.0   | 187.5   | 134.0   | -        | -        | -        | -        |
| 19     | 149.5     | 145.5   | 140.5   | 136.0   | 134.0   | 74.5     | -        | -        | -        |
| 23     | 113.0     | 107.5   | 102.0   | 92.0    | 125.0   | 74.5     | 60.0     | -        | -        |
| 26     | 79.5      | 74.0    | 76.0    | 68.0    | 95.0    | 74.5     | 80.0     | 61.5     | 46.7     |
| 29     | 58.1      | 52.4    | 54.6    | 50.8    | 70.0    | 73.0     | 68.0     | 61.5     | 46.7     |
| 33     | 39.0      | 34.5    | 36.3    | 33.4    | 49.7    | 55.2     | 50.1     | 50.6     | 46.3     |
| 39     | -         | 19.8    | 21.2    | 18.7    | 32.7    | 37.4     | 33.4     | 34.3     | 33.6     |
| 45     | -         | 9.4     | 10.7    | 7.8     | 21.0    | 25.2     | 21.7     | 22.6     | 22.6     |
| 52     | -         | 3.3     | 4.2     | -       | 15.0    | 18.8     | 15.3     | 16.3     | 16.3     |
| 59     | -         | -       | -       | -       | 9.9     | 13.4     | 9.9      | 11.0     | 11.0     |
| 65     | -         | -       | -       | -       | 6.3     | 10.0     | 8.5      | 7.8      | 7.8      |
| 72     | -         | -       | -       | -       | 2.9     | 6.9      | 3.3      | 4.7      | 4.9      |
| 79     | -         | -       | -       | -       | -       | 4.3      | -        | 2.3      | 2.5      |
| 85     | -         | -       | -       | -       | -       | 2.3      | -        | -        | -        |

## Boom extension sequence in %

|        |   |    |    |    |    |    |    |    |     |
|--------|---|----|----|----|----|----|----|----|-----|
| Te e 1 | 0 | 45 | 45 | 90 | 0  | 0  | 0  | 0  | 0   |
| Te e 2 | 0 | 0  | 45 | 45 | 45 | 0  | 90 | 90 | 100 |
| Te e 3 | 0 | 0  | 0  | 0  | 45 | 90 | 90 | 90 | 100 |
| Te e 4 | 0 | 0  | 0  | 0  | 45 | 90 | 45 | 90 | 100 |

## Remarks

Special boom extension sequence

# Lifting capacities main boom

24,300 lb



270°

85%

| Radius | Main boom |         |         |         |          |          |          |          |          |          |          |          |          |          |          |      |
|--------|-----------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 111.6 ft | 117.8 ft | 111.8 ft | 127.9 ft | 127.9 ft | 144.0 ft | 144.0 ft | 154.5 ft | 159.7 ft | 176.8 ft | 196.8 ft |      |
| ft     | 1,000 lb  |         |         |         |          |          |          |          |          |          |          |          |          |          |          |      |
| 10     | 268.0     | 305.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -    |
| 11     | 331.0     | 306.0   | 253.0   | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -    |
| 19     | 276.0     | 273.0   | 253.0   | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -    |
| 15     | 241.0     | 240.0   | 240.0   | 200.0   | 134.0    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -    |
| 16     | 226.0     | 223.0   | 224.0   | 200.0   | 134.0    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -    |
| 19     | 187.0     | 182.5   | 185.0   | 179.5   | 134.0    | 154.0    | 152.5    | 74.5     | -        | -        | -        | -        | -        | -        | -        | -    |
| 23     | 148.5     | 140.5   | 143.0   | 140.5   | 134.0    | 129.5    | 136.5    | 74.5     | 25.5     | 80.0     | -        | -        | -        | -        | -        | -    |
| 26     | 124.0     | 118.5   | 120.5   | 116.5   | 134.0    | 117.5    | 128.5    | 74.5     | 11.0     | 80.0     | 121.5    | 81.5     | 46.7     | -        | -        | -    |
| 29     | 99.0      | 93.5    | 95.5    | 93.0    | 109.5    | 95.5     | 109.5    | 74.5     | 99.0     | 80.0     | 100.5    | 81.5     | 46.7     | 95.0     | -        | -    |
| 33     | 76.0      | 70.5    | 73.0    | 69.5    | 86.0     | 72.0     | 80.5     | 72.0     | 76.0     | 79.5     | 76.0     | 61.5     | 46.7     | 74.0     | 70.0     | -    |
| 39     | -         | 48.5    | 50.1    | 47.4    | 61.5     | 48.8     | 57.6     | 64.0     | 54.4     | 62.0     | 55.3     | 61.5     | 46.7     | 57.0     | 57.2     | 46.6 |
| 46     | -         | 32.3    | 33.6    | 30.9    | 44.2     | 32.3     | 40.3     | 48.6     | 37.5     | 44.6     | 38.3     | 46.6     | 46.6     | 39.8     | 41.1     | 40.0 |
| 52     | -         | 23.6    | 24.6    | 22.1    | 34.5     | 23.2     | 30.7     | 38.5     | 28.3     | 34.9     | 28.7     | 36.9     | 37.5     | 30.5     | 31.4     | 30.9 |
| 59     | -         | -       | 7.0     | 14.3    | 26.3     | 15.4     | 22.7     | 30.0     | 20.3     | 26.7     | 20.7     | 28.5     | 28.9     | 22.1     | 23.2     | 22.7 |
| 65     | -         | -       | 1.9     | 8.7     | 21.0     | 13.0     | 17.7     | 24.7     | 15.2     | 21.4     | 15.7     | 23.2     | 23.6     | 16.8     | 17.9     | 17.7 |
| 72     | -         | -       | -       | 3.6     | 16.4     | 4.9      | 13.1     | 19.9     | 10.0     | 16.8     | 10.9     | 18.4     | 18.8     | 11.8     | 13.3     | 13.1 |
| 79     | -         | -       | -       | -       | 12.8     | -        | 9.1      | 16.2     | 5.8      | 13.1     | 6.7      | 14.6     | 15.1     | 8.0      | 9.3      | 9.3  |
| 85     | -         | -       | -       | -       | -        | -        | 6.1      | 13.5     | 3.9      | 10.2     | 3.3      | 12.0     | 12.6     | 5.4      | 6.9      | 6.9  |
| 92     | -         | -       | -       | -       | -        | -        | 3.4      | 10.9     | -        | 7.4      | -        | 9.4      | 9.8      | 2.9      | 4.1      | 4.1  |
| 98     | -         | -       | -       | -       | -        | -        | -        | 9.3      | -        | 5.4      | -        | 7.2      | 7.6      | -        | -        | -    |
| 105    | -         | -       | -       | -       | -        | -        | -        | -        | -        | 3.3      | -        | 5.0      | 5.5      | -        | -        | -    |
| 111    | -         | -       | -       | -       | -        | -        | -        | -        | -        | 1.6      | -        | 3.4      | 3.8      | -        | -        | -    |
| 118    | -         | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | 1.7      | 2.2      | -        | -        | -    |

Boom extension sequence in %

|        |   |    |    |    |    |    |    |    |    |    |    |    |     |    |    |     |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| Tele 1 | 0 | 40 | 46 | 90 | 0  | 80 | 45 | 0  | 90 | 0  | 90 | 0  | 0   | 90 | 90 | 100 |
| Tele 2 | 0 | 0  | 45 | 45 | 45 | 80 | 45 | 0  | 45 | 90 | 90 | 90 | 100 | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 90 | 45 | 90 | 100 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 45 | 45 | 90 | 100 | 45 | 90 | 100 |

Remarks

1) Capacities only valid with hoist II fitted or spare weight

Special boom extension sequence



# Lifting capacities main boom

24,300 lb



270°

85%

| Radius | Main boom |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |
|--------|-----------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 111.6 ft | 127.8 ft | 143.8 ft | 159.9 ft | 176.0 ft | 192.1 ft | 208.2 ft | 224.3 ft | 240.4 ft | 256.5 ft | 272.6 ft | 288.7 ft |
| ft     | 1,000 lb  |         |         |         |          |          |          |          |          |          |          |          |          |          |          |          |
| 10     | 368.0     | 305.0   | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 11     | 331.0     | 306.0   | 253.0   | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 13     | 276.0     | 273.0   | 253.0   | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 15     | 241.0     | 240.0   | 240.0   | 200.0   | 134.0    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 16     | 228.0     | 223.0   | 224.0   | 200.0   | 134.0    | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 19     | 187.0     | 182.5   | 185.0   | 179.5   | 134.0    | 154.0    | 152.5    | 74.5     | -        | -        | -        | -        | -        | -        | -        | -        |
| 23     | 148.5     | 140.5   | 143.0   | 140.5   | 134.0    | 129.5    | 136.5    | 74.5     | 25.5     | 80.0     | -        | -        | -        | -        | -        | -        |
| 26     | 124.0     | 118.5   | 120.5   | 118.5   | 134.0    | 117.5    | 128.5    | 74.5     | 11.0     | 80.0     | 121.5    | 81.5     | 46.7     | -        | -        | -        |
| 29     | 99.0      | 93.5    | 95.5    | 93.0    | 109.5    | 95.5     | 109.5    | 74.5     | 99.0     | 80.0     | 100.5    | 81.5     | 46.7     | 95.0     | -        | -        |
| 33     | 76.0      | 70.5    | 73.0    | 69.5    | 86.0     | 72.0     | 80.5     | 72.0     | 76.0     | 79.5     | 76.0     | 61.5     | 46.7     | 74.0     | 70.0     | -        |
| 39     | -         | 48.5    | 50.1    | 47.4    | 61.5     | 48.8     | 57.8     | 64.0     | 54.4     | 62.0     | 55.3     | 61.5     | 46.7     | 57.0     | 57.2     | 46.6     |
| 46     | -         | 32.3    | 33.6    | 30.9    | 44.2     | 32.3     | 40.3     | 48.6     | 37.5     | 44.6     | 38.3     | 46.6     | 46.6     | 39.8     | 41.1     | 40.0     |
| 52     | -         | 23.6    | 24.6    | 22.1    | 34.5     | 23.2     | 30.7     | 38.5     | 28.3     | 34.9     | 28.7     | 36.9     | 37.5     | 30.5     | 31.4     | 30.9     |
| 59     | -         | -       | 7.0     | 14.3    | 26.3     | 15.4     | 22.7     | 30.0     | 20.3     | 26.7     | 20.7     | 28.5     | 28.9     | 22.1     | 23.2     | 22.7     |
| 65     | -         | -       | 1.8     | 8.7     | 21.0     | 10.0     | 17.7     | 24.7     | 15.2     | 21.4     | 15.7     | 23.2     | 23.6     | 16.8     | 17.9     | 17.7     |
| 72     | -         | -       | -       | 3.6     | 15.4     | 4.9      | 13.1     | 19.9     | 10.0     | 16.8     | 10.9     | 18.4     | 18.8     | 11.8     | 13.3     | 13.1     |
| 79     | -         | -       | -       | -       | 12.8     | -        | 9.1      | 16.2     | 5.8      | 13.1     | 6.7      | 14.6     | 15.1     | 8.0      | 9.3      | 9.3      |
| 85     | -         | -       | -       | -       | -        | -        | 6.1      | 13.5     | 3.9      | 10.2     | 3.3      | 12.0     | 12.6     | 5.4      | 6.9      | 6.9      |
| 92     | -         | -       | -       | -       | -        | -        | 3.4      | 10.9     | -        | 7.4      | -        | 9.4      | 9.8      | 2.9      | 4.1      | 4.1      |
| 98     | -         | -       | -       | -       | -        | -        | -        | 9.3      | -        | 5.4      | -        | 7.2      | 7.6      | -        | -        | -        |
| 105    | -         | -       | -       | -       | -        | -        | -        | -        | -        | 3.3      | -        | 5.0      | 5.5      | -        | -        | -        |
| 111    | -         | -       | -       | -       | -        | -        | -        | -        | -        | 1.6      | -        | 3.4      | 3.8      | -        | -        | -        |
| 118    | -         | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | 1.7      | 2.2      | -        | -        | -        |

Boom extension sequence in %

| Tele   | 0 | 45 | 90 | 0  | 45 | 90 | 0  | 45 | 90 | 0  | 45 | 90 | 0   | 45 | 90 | 100 |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|
| Tele 1 | 0 | 45 | 90 | 0  | 45 | 90 | 0  | 45 | 90 | 0  | 45 | 90 | 0   | 45 | 90 | 100 |
| Tele 2 | 0 | 0  | 45 | 45 | 45 | 90 | 45 | 0  | 45 | 90 | 90 | 90 | 100 | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 90 | 45 | 90 | 100 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 45 | 0  | 45 | 90 | 45 | 45 | 45 | 90 | 100 | 45 | 90 | 100 |

Remarks

- 1) Capacities only valid with hoist II fitted or spare weight
- Special boom extension sequence

# Lifting capacities main boom

0 lb  270° 85%

| Radius | Main boom |         |         |         |         |          |          |          |          |
|--------|-----------|---------|---------|---------|---------|----------|----------|----------|----------|
|        | 48.2 ft   | 64.3 ft | 80.0 ft | 96.1 ft | 96.1 ft | 111.8 ft | 127.9 ft | 144.0 ft | 154.5 ft |
| ft     | 1,000 lb  |         |         |         |         |          |          |          |          |
| 10     | 989.0     | 254.0   | -       | -       | -       | -        | -        | -        | -        |
| 11     | 258.0     | 249.0   | 211.0   | -       | -       | -        | -        | -        | -        |
| 13     | 222.0     | 216.0   | 211.0   | -       | -       | -        | -        | -        | -        |
| 15     | 192.0     | 188.5   | 190.5   | 167.5   | 134.0   | -        | -        | -        | -        |
| 16     | 179.0     | 176.0   | 177.0   | 167.5   | 134.0   | -        | -        | -        | -        |
| 19     | 149.5     | 145.5   | 140.5   | 136.0   | 134.0   | 74.5     | -        | -        | -        |
| 23     | 112.0     | 107.5   | 102.0   | 92.0    | 125.0   | 74.5     | 80.0     | -        | -        |
| 26     | 83.5      | 77.0    | 79.0    | 72.0    | 95.0    | 74.5     | 80.0     | 61.5     | 46.7     |
| 29     | 64.0      | 58.8    | 60.5    | 57.2    | 74.0    | 74.5     | 72.0     | 61.5     | 46.7     |
| 33     | 45.9      | 41.6    | 43.1    | 40.5    | 55.2    | 60.0     | 58.1     | 58.0     | 46.5     |
| 39     | -         | 26.5    | 27.8    | 25.4    | 38.3    | 42.5     | 38.9     | 40.9     | 40.2     |
| 46     | -         | 15.8    | 16.6    | 14.4    | 26.1    | 30.1     | 26.6     | 26.5     | 28.8     |
| 62     | -         | 9.5     | 10.2    | 7.6     | 19.7    | 23.2     | 20.1     | 21.7     | 21.9     |
| 69     | -         | -       | -       | -       | 13.9    | 17.4     | 14.3     | 16.1     | 16.1     |
| 85     | -         | -       | -       | -       | 10.4    | 13.8     | 10.9     | 12.3     | 12.5     |
| 72     | -         | -       | -       | -       | 6.9     | 10.4     | 7.3      | 8.9      | 8.9      |
| 79     | -         | -       | -       | -       | 4.0     | 7.8      | 4.3      | 6.0      | 6.3      |
| 85     | -         | -       | -       | -       | -       | 5.6      | 2.9      | 4.0      | 4.5      |
| 92     | -         | -       | -       | -       | -       | 3.7      | -        | -        | 2.3      |
| 98     | -         | -       | -       | -       | -       | 2.3      | -        | -        | -        |

### Boom extension sequence in %

|        |   |    |    |    |    |    |    |    |     |
|--------|---|----|----|----|----|----|----|----|-----|
| Tele 1 | 0 | 45 | 45 | 90 | 0  | 0  | 0  | 0  | 0   |
| Tele 2 | 0 | 0  | 45 | 45 | 45 | 0  | 90 | 90 | 100 |
| Tele 3 | 0 | 0  | 0  | 0  | 45 | 90 | 90 | 90 | 100 |
| Tele 4 | 0 | 0  | 0  | 0  | 45 | 90 | 45 | 90 | 100 |

### Remarks

- ① Capacities only valid with hoist 1 fitted or spare weight
- ② Special boom extension sequence

# Notes to lifting capacity

Lifting capacities do not exceed 75%/85% of tipping load.

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

Crane operation is permissible up to a  
wind speed of ..... 32 ft/s

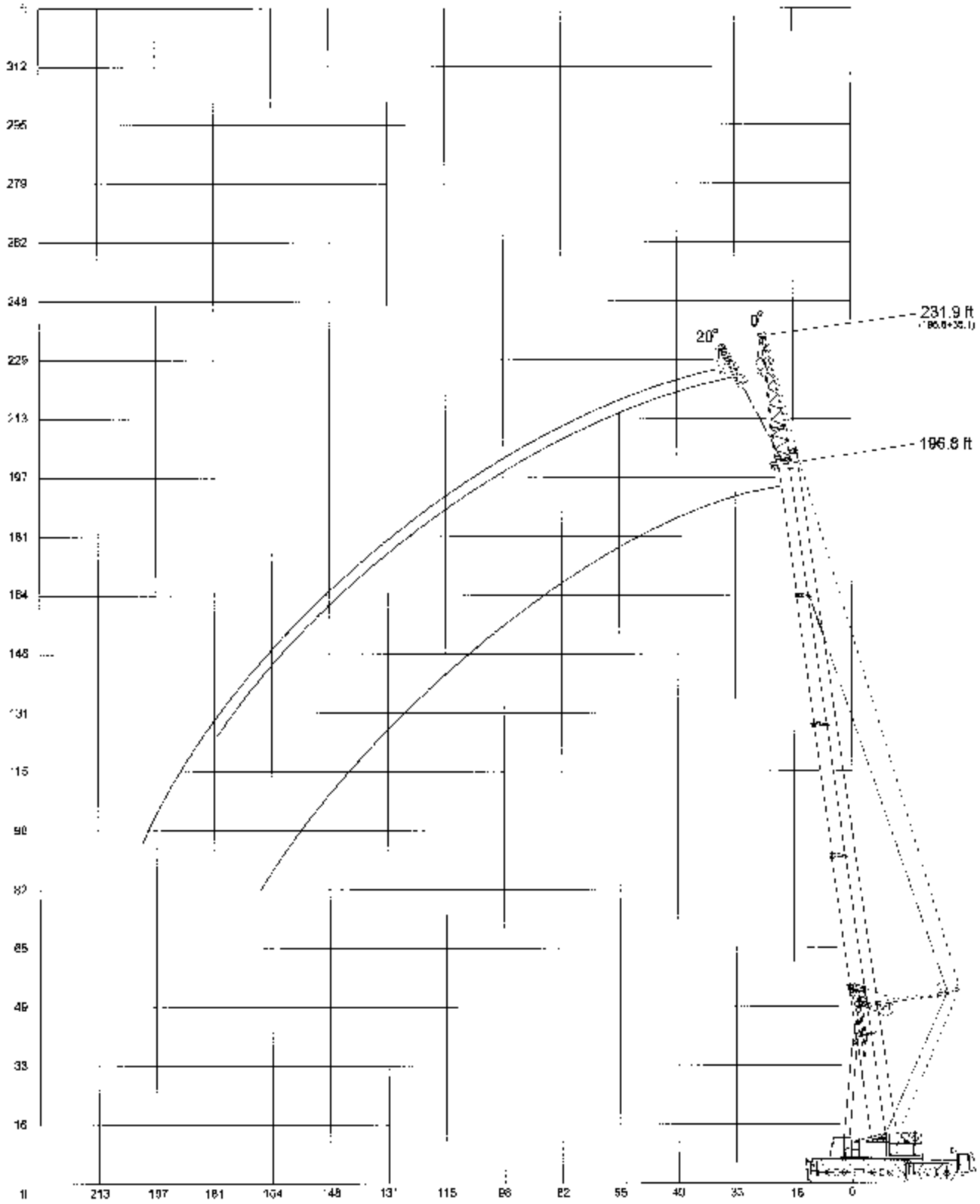
Consult operation manual for further details on wind speed.

All capacities above the parting line are based on structural strength. Capacities below the parting line are based on machine stability.

Crane operation subject to computer charts, only!

For crane operation consult operation manual first!

# Working ranges main boom extension



# Lifting capacities main boom extension with Superlift

Main boom: 196.8 ft

| 220,500 lb |           | 360° 85% |           | 167,600 lb |           | 360° 85% |           |
|------------|-----------|----------|-----------|------------|-----------|----------|-----------|
| Radius     | Extension | Radius   | Extension | Radius     | Extension | Radius   | Extension |
| ft         | 1,000 lb  | ft       | 1,000 lb  | ft         | 1,000 lb  | ft       | 1,000 lb  |
| 39         | 33.0      | 39       | 33.0      | 39         | 33.0      | 39       | 33.0      |
| 46         | 33.0      | 46       | 30.0      | 46         | 30.0      | 46       | 30.0      |
| 52         | 31.8      | 52       | 31.8      | 52         | 31.8      | 52       | 31.8      |
| 59         | 30.4      | 59       | 30.4      | 59         | 30.4      | 59       | 30.4      |
| 65         | 29.2      | 65       | 29.2      | 65         | 29.2      | 65       | 29.2      |
| 72         | 28.0      | 72       | 28.0      | 72         | 28.0      | 72       | 28.0      |
| 79         | 26.8      | 79       | 26.8      | 79         | 26.8      | 79       | 26.8      |
| 85         | 26.0      | 85       | 26.0      | 85         | 26.0      | 85       | 26.0      |
| 92         | 25.1      | 92       | 25.1      | 92         | 25.1      | 92       | 25.1      |
| 98         | 24.3      | 98       | 24.3      | 98         | 24.3      | 98       | 24.3      |
| 105        | 23.3      | 105      | 23.3      | 105        | 23.3      | 105      | 23.3      |
| 111        | 22.7      | 111      | 22.7      | 111        | 22.7      | 111      | 22.7      |
| 118        | 21.8      | 118      | 21.8      | 118        | 21.8      | 118      | 21.8      |
| 124        | 21.2      | 124      | 21.2      | 124        | 21.2      | 124      | 21.2      |
| 131        | 20.5      | 131      | 20.5      | 131        | 20.5      | 131      | 20.5      |
| 138        | 19.8      | 138      | 19.8      | 138        | 19.8      | 138      | 19.8      |
| 144        | 19.4      | 144      | 19.4      | 144        | 19.4      | 144      | 19.4      |
| 151        | 18.7      | 151      | 18.7      | 151        | 18.7      | 151      | 18.7      |
| 157        | 18.0      | 157      | 16.9      | 157        | 16.9      | 157      | 16.9      |
| 164        | 17.8      | 164      | 15.0      | 164        | 15.0      | 164      | 15.0      |
| 170        | 17.4      | 170      | 13.3      | 170        | 13.3      | 170      | 13.3      |
| 177        | 16.8      | 177      | 11.7      | 177        | 11.7      | 177      | 11.7      |
| 184        | 16.0      | 184      | 10.5      | 184        | 10.5      | 184      | 10.5      |
| 190        | 14.8      | 190      | 9.3       | 190        | 9.3       | 190      | 9.3       |
| 197        | 12.7      | 197      | 7.9       | 197        | 7.9       | 197      | 7.9       |
| 203        | 9.0       | 203      | 6.9       | 203        | 6.9       | 203      | 6.9       |

# Lifting capacities main boom extension

Main boom: 196.8 ft

116,900 lb   360° 85%

| Radius<br>ft | Extension |         |
|--------------|-----------|---------|
|              | 35.1 ft   | 35.1 ft |
|              | 0°        | 20°     |
|              | 1,000 lb  |         |
| 39           | 31.5      | -       |
| 46           | 31.5      | -       |
| 52           | 31.5      | 26.7    |
| 59           | 30.4      | 26.2    |
| 65           | 28.8      | 25.6    |
| 72           | 26.9      | 24.7    |
| 79           | 25.2      | 23.7    |
| 85           | 23.8      | 22.9    |
| 92           | 22.2      | 21.8    |
| 98           | 21.0      | 21.0    |
| 105          | 19.8      | 20.0    |
| 111          | 19.0      | 19.0    |
| 118          | 18.0      | 18.3    |
| 124          | 17.2      | 17.5    |
| 131          | 16.5      | 16.5    |
| 139          | 14.7      | 15.8    |
| 144          | 12.6      | 14.2    |
| 151          | 11.0      | 12.1    |
| 157          | 9.5       | 10.4    |
| 164          | 7.9       | 8.8     |
| 177          | 5.5       | 6.2     |
| 190          | 3.3       | 3.8     |

68,400 lb   360° 85%



| Radius<br>ft | Extension |         |
|--------------|-----------|---------|
|              | 35.1 ft   | 35.1 ft |
|              | 0°        | 20°     |
|              | 1,000 lb  |         |
| 39           | 31.5      | -       |
| 46           | 31.5      | -       |
| 52           | 31.5      | 26.7    |
| 59           | 30.4      | 26.2    |
| 65           | 28.8      | 25.6    |
| 72           | 26.9      | 24.7    |
| 79           | 25.2      | 23.7    |
| 85           | 23.8      | 22.9    |
| 92           | 20.2      | 21.7    |
| 98           | 17.1      | 19.5    |
| 105          | 13.8      | 16.0    |
| 111          | 11.6      | 13.6    |
| 118          | 9.0       | 10.8    |
| 124          | 7.2       | 8.8     |
| 131          | 5.3       | 6.8     |
| 138          | 3.7       | 5.0     |
| 144          | -         | 3.8     |
| 151          | -         | -       |
| 157          | -         | -       |
| 164          | -         | -       |
| 177          | -         | -       |
| 190          | -         | -       |

24,300 lb   360° 85%

| Radius<br>ft | Extension |         |
|--------------|-----------|---------|
|              | 35.1 ft   | 35.1 ft |
|              | 0°        | 20°     |
|              | 1,000 lb  |         |
| 39           | 31.5      | -       |
| 46           | 31.4      | -       |
| 52           | 27.2      | 26.8    |
| 59           | 19.9      | 23.1    |
| 65           | 15.0      | 17.9    |
| 72           | 10.6      | 12.3    |
| 79           | 7.3       | 8.3     |
| 85           | 4.7       | 6.7     |
| 92           | 2.3       | 4.1     |

# Lifting capacities fixed fly jib with Superlift

Main boom: 175.8 ft<sup>1)</sup>


| 220,500 lb  360° 85% |          |      |          |     |          |     | 167,600 lb  360° 85% |          |      |          |     |          |     |
|---|----------|------|----------|-----|----------|-----|---|----------|------|----------|-----|----------|-----|
| Radius  | Fly jib  |      |          |     |          |     | Radius  | Fly jib  |      |          |     |          |     |
|   | 65.6 ft  |      | 105.0 ft |     | 134.5 ft |     |   | 65.6 ft  |      | 105.0 ft |     | 134.5 ft |     |
| ft  | 3°       | 20°  | 3°       | 20° | 3°       | 20° | ft  | 3°       | 20°  | 3°       | 20° | 3°       | 20° |
|   | 1,000 lb |      |          |     |          |     |   | 1,000 lb |      |          |     |          |     |
| 59  | 21.3     | -    | -        | -   | -        | -   | 59  | 21.3     | -    | -        | -   | -        | -   |
| 65  | 21.1     | -    | 13.2     | -   | -        | -   | 65  | 21.1     | -    | 13.2     | -   | -        | -   |
| 72  | 20.7     | 19.1 | 13.2     | -   | 8.3      | -   | 72  | 20.7     | 19.1 | 13.2     | -   | 8.3      | -   |
| 79  | 20.4     | 18.9 | 12.9     | -   | 8.1      | -   | 79  | 20.4     | 18.9 | 12.9     | -   | 8.1      | -   |
| 85  | 20.0     | 18.7 | 12.7     | -   | 8.1      | -   | 85  | 20.0     | 18.7 | 12.7     | -   | 8.1      | -   |
| 92  | 19.6     | 18.2 | 12.7     | -   | 7.9      | -   | 92  | 19.6     | 18.2 | 12.7     | -   | 7.9      | -   |
| 98  | 19.2     | 18.0 | 12.5     | 9.9 | 7.9      | -   | 98  | 19.2     | 18.0 | 12.5     | 9.9 | 7.9      | -   |
| 105   | 18.7     | 17.6 | 12.3     | 9.9 | 7.7      | -   | 105   | 18.7     | 17.6 | 12.3     | 9.9 | 7.7      | -   |
| 111   | 18.3     | 17.2 | 12.1     | 9.9 | 7.5      | 6.1 | 111   | 18.3     | 17.2 | 12.1     | 9.9 | 7.5      | 6.1 |
| 118   | 17.8     | 16.7 | 11.9     | 9.7 | 7.4      | 6.1 | 118   | 17.8     | 16.7 | 11.9     | 9.7 | 7.4      | 6.1 |
| 124   | 17.4     | 16.3 | 11.7     | 9.7 | 7.2      | 5.9 | 124   | 17.4     | 16.3 | 11.7     | 9.7 | 7.2      | 5.9 |
| 131   | 16.9     | 15.8 | 11.4     | 9.4 | 7.2      | 5.9 | 131   | 16.9     | 15.8 | 11.4     | 9.4 | 7.2      | 5.9 |
| 138   | 16.3     | 15.1 | 11.2     | 9.2 | 7.0      | 5.7 | 138   | 16.3     | 15.1 | 11.2     | 9.2 | 7.0      | 5.7 |
| 144   | 15.8     | 14.7 | 11.0     | 9.2 | 6.8      | 5.7 | 144   | 15.8     | 14.7 | 11.0     | 9.2 | 6.8      | 5.7 |
| 151   | 15.4     | 14.3 | 10.8     | 9.0 | 6.8      | 5.5 | 151   | 15.4     | 14.3 | 10.8     | 9.0 | 6.8      | 5.5 |
| 157   | 15.0     | 13.9 | 10.8     | 8.8 | 6.6      | 5.5 | 157   | 15.0     | 13.9 | 10.8     | 8.8 | 6.6      | 5.5 |
| 164   | 14.7     | 13.6 | 10.5     | 8.8 | 6.6      | 5.2 | 164   | 14.4     | 13.6 | 10.5     | 8.8 | 6.6      | 5.2 |
| 170   | 14.3     | 13.2 | 10.3     | 8.6 | 6.4      | 5.0 | 170   | 11.8     | 13.2 | 10.3     | 8.6 | 6.4      | 5.0 |
| 177   | 13.9     | 12.7 | 10.1     | 8.3 | 6.1      | 5.0 | 177   | 9.9      | 11.5 | 10.1     | 8.3 | 6.1      | 5.0 |
| 184   | 13.4     | 12.5 | 9.9      | 8.1 | 6.1      | 4.8 | 184   | 8.5      | 9.6  | 8.8      | 8.1 | 6.1      | 4.8 |
| 190   | 12.8     | 12.3 | 9.7      | 7.9 | 6.3      | 4.8 | 190   | 7.3      | 8.2  | 8.8      | 7.9 | 5.9      | 4.8 |
| 197   | 11.4     | 11.8 | 9.4      | 7.9 | 5.3      | 4.8 | 197   | 5.7      | 6.8  | 7.4      | 7.9 | 5.9      | 4.8 |
| 203   | 10.2     | 10.8 | 9.2      | 7.7 | 5.7      | 4.6 | 203   | 4.9      | 5.5  | 6.2      | 7.7 | 5.7      | 4.6 |
| 210   | 9.2      | 9.4  | 9.0      | 7.4 | 5.5      | 4.4 | 210   | 3.5      | 4.1  | 5.2      | 7.2 | 5.5      | 4.4 |
| 216   | 8.0      | 8.5  | 8.8      | 7.2 | 5.5      | 4.4 | 216   | 2.5      | 3.1  | 4.2      | 5.8 | 4.5      | 4.4 |
| 223   | 5.3      | 7.0  | 8.6      | 7.0 | 5.2      | 4.1 | 223   | -        | -    | 3.3      | 4.8 | 3.5      | 4.1 |
| 229   | -        | -    | 7.6      | 6.8 | 5.3      | 4.1 | 229   | -        | -    | 2.3      | 3.8 | 2.5      | 4.1 |
| 243   | -        | -    | 5.6      | 6.3 | 4.9      | 3.7 | 243   | -        | -    | -        | -   | -        | 2.6 |
| 256   | -        | -    | 2.4      | 4.8 | 4.3      | 3.5 | 256   | -        | -    | -        | -   | -        | -   |
| 269   | -        | -    | -        | -   | 2.4      | 3.3 | 269   | -        | -    | -        | -   | -        | -   |
| 282   | -        | -    | -        | -   | -        | 2.2 | 282   | -        | -    | -        | -   | -        | -   |

**Remarks**

<sup>1)</sup> plus 9.8 ft adapter

# Lifting capacities fixed fly jib

Main boom: 175.8 ft<sup>1)</sup>

**116,900 lb**  **360° 85%**

| Radius | Fly jib  |      |          |      |          |     |
|--------|----------|------|----------|------|----------|-----|
|        | 65.6 ft  |      | 105.0 ft |      | 134.5 ft |     |
|        | 3°       | 20°  | 3°       | 20°  | 3°       | 20° |
| ft     | 1,000 lb |      |          |      |          |     |
| 59     | 21.9     | -    | -        | -    | -        | -   |
| 65     | 20.3     | -    | 14.5     | -    | -        | -   |
| 72     | 19.2     | 16.3 | 14.1     | -    | 8.8      | -   |
| 79     | 18.2     | 15.6 | 13.6     | -    | 8.8      | -   |
| 85     | 17.2     | 15.0 | 13.2     | -    | 8.6      | -   |
| 92     | 16.2     | 14.3 | 12.5     | -    | 8.3      | -   |
| 98     | 15.4     | 13.7 | 12.1     | 10.4 | 8.1      | -   |
| 105    | 14.5     | 12.7 | 11.6     | 9.6  | 7.7      | -   |
| 111    | 13.7     | 12.3 | 11.2     | 9.2  | 7.5      | 6.8 |
| 118    | 12.8     | 11.6 | 10.5     | 8.8  | 7.2      | 6.4 |
| 124    | 12.1     | 11.0 | 10.1     | 8.4  | 6.8      | 6.1 |
| 131    | 11.4     | 10.3 | 9.7      | 7.9  | 6.6      | 5.9 |
| 138    | 10.6     | 9.6  | 9.0      | 7.4  | 6.1      | 5.5 |
| 144    | 9.9      | 9.2  | 8.6      | 7.2  | 5.9      | 5.3 |
| 151    | 9.1      | 8.5  | 8.1      | 6.8  | 5.7      | 5.0 |
| 157    | 8.7      | 7.9  | 7.5      | 6.4  | 5.3      | 4.8 |
| 164    | 5.0      | 6.8  | 6.6      | 5.9  | 5.0      | 4.4 |
| 170    | 3.8      | 5.4  | 5.4      | 5.5  | 4.6      | 4.2 |
| 177    | 2.4      | 4.0  | 4.0      | 5.0  | 4.2      | 3.9 |
| 184    | -        | 2.5  | 2.8      | 4.6  | 2.8      | 3.5 |
| 190    | -        | -    | -        | 4.2  | -        | 3.3 |
| 197    | -        | -    | -        | 2.8  | -        | 3.0 |
| 203    | -        | -    | -        | -    | -        | 2.6 |

**Remarks**

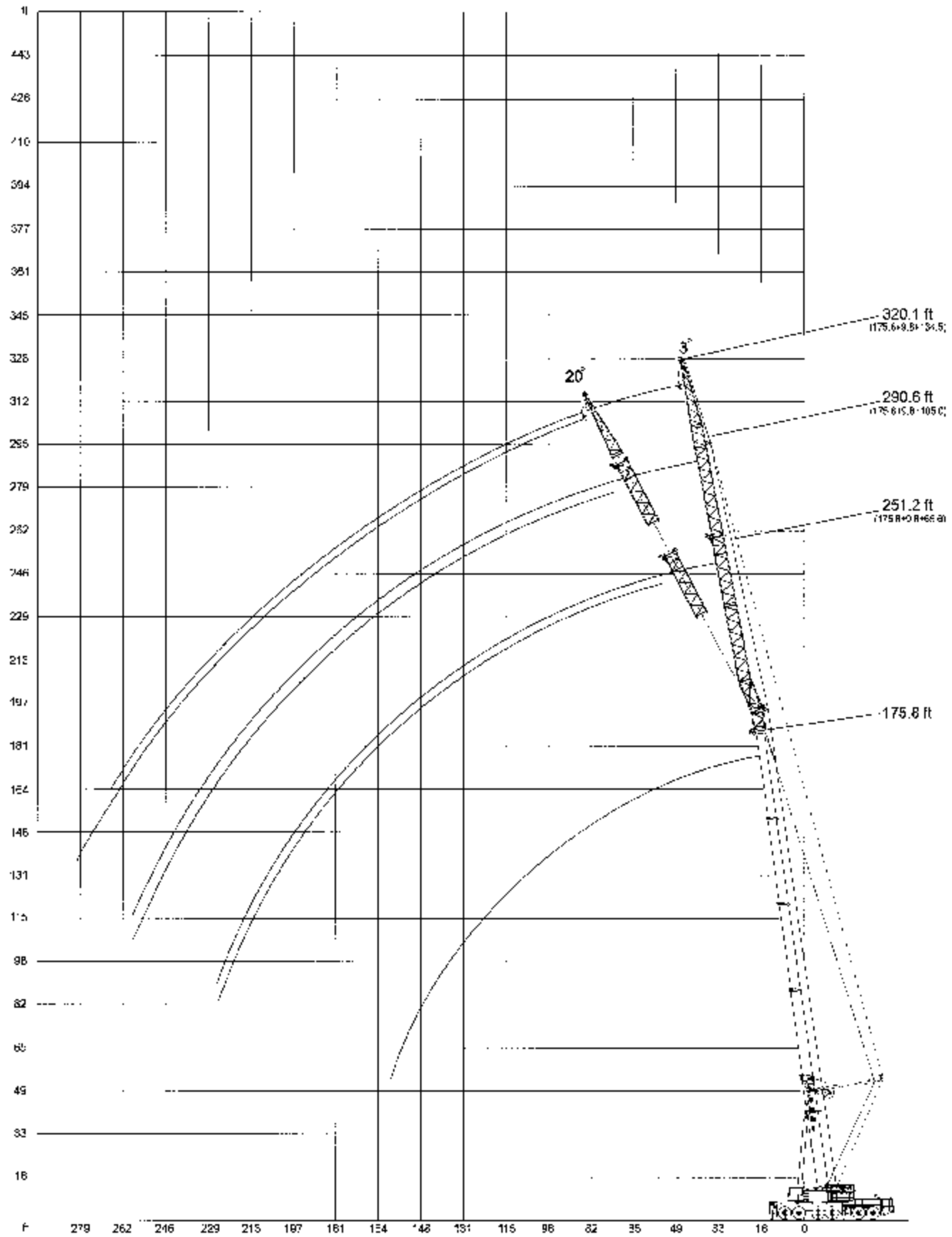
<sup>1)</sup> plus 9.8 ft adapter

**68,400 lb**  **360° 85%**

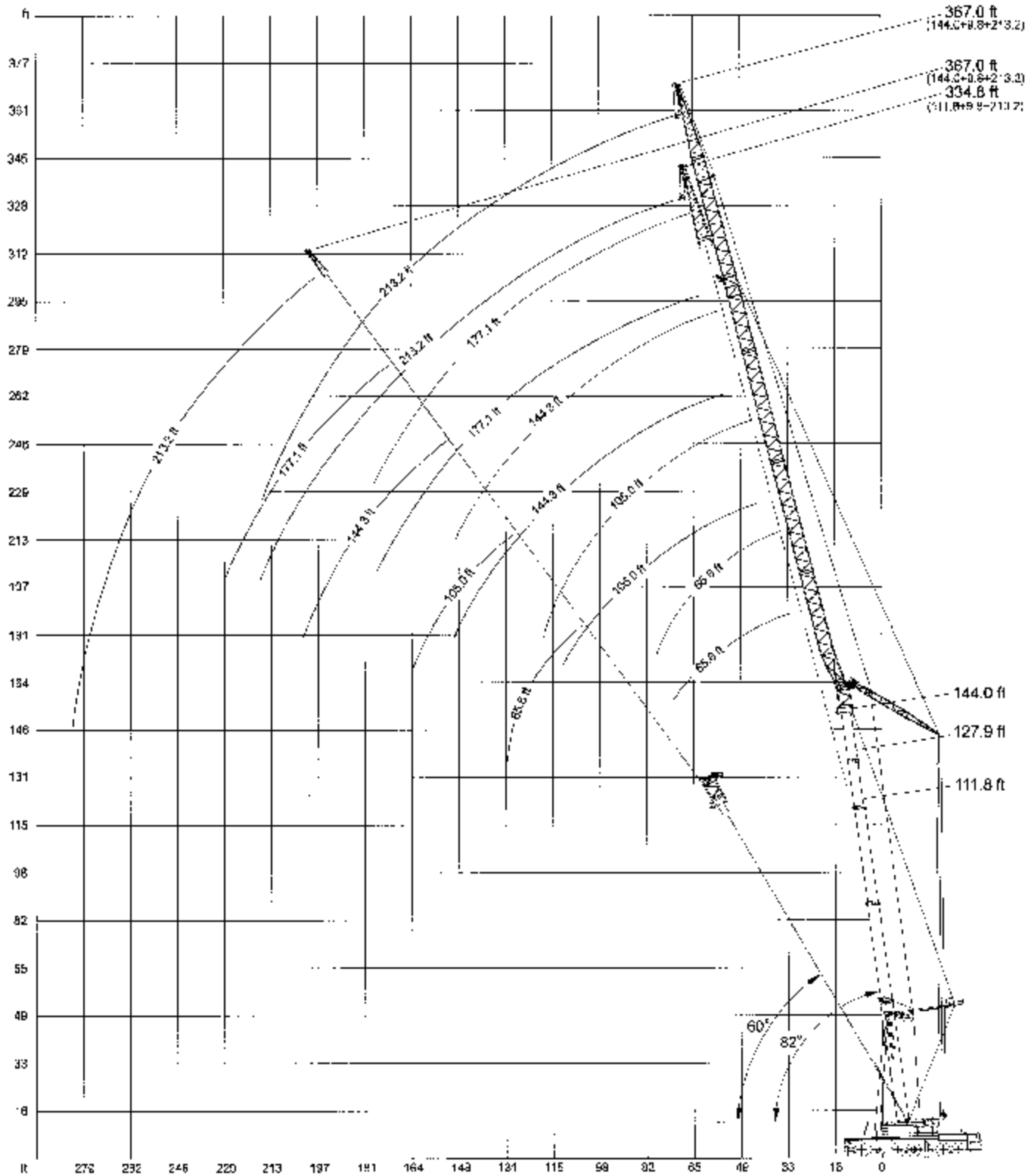
| Radius | Fly jib  |      |          |      |          |     |
|--------|----------|------|----------|------|----------|-----|
|        | 65.6 ft  |      | 105.0 ft |      | 134.5 ft |     |
|        | 3°       | 20°  | 3°       | 20°  | 3°       | 20° |
| ft     | 1,000 lb |      |          |      |          |     |
| 59     | 21.9     | -    | -        | -    | -        | -   |
| 65     | 20.3     | -    | 14.5     | -    | -        | -   |
| 72     | 19.2     | 16.3 | 14.1     | -    | 8.8      | -   |
| 79     | 18.2     | 15.6 | 13.6     | -    | 8.8      | -   |
| 85     | 17.2     | 15.0 | 13.2     | -    | 8.6      | -   |
| 92     | 15.8     | 14.3 | 12.5     | -    | 8.3      | -   |
| 98     | 12.7     | 13.7 | 12.1     | 10.4 | 8.1      | -   |
| 105    | 9.9      | 12.7 | 10.7     | 9.6  | 7.7      | -   |
| 111    | 7.7      | 10.9 | 8.5      | 9.2  | 7.5      | 6.8 |
| 118    | 5.1      | 8.4  | 6.4      | 8.8  | 5.9      | 6.4 |
| 124    | 3.6      | 6.5  | 4.6      | 8.4  | 4.1      | 6.1 |
| 131    | -        | 4.4  | 2.7      | 7.1  | 2.4      | 5.9 |
| 138    | -        | 2.6  | -        | 5.2  | -        | 6.4 |
| 144    | -        | -    | -        | 3.8  | -        | 4.8 |
| 151    | -        | -    | -        | 2.4  | -        | 3.0 |
| 157    | -        | -    | -        | -    | -        | -   |
| 164    | -        | -    | -        | -    | -        | -   |
| 170    | -        | -    | -        | -    | -        | -   |
| 177    | -        | -    | -        | -    | -        | -   |
| 184    | -        | -    | -        | -    | -        | -   |
| 190    | -        | -    | -        | -    | -        | -   |
| 197    | -        | -    | -        | -    | -        | -   |
| 203    | -        | -    | -        | -    | -        | -   |



# Working ranges fixed fly jib



# Working ranges luffing fly jib with SL, main boom 82° to 60°



# Lifting capacities luffing fly jib with SL, main boom 82° to 60°

Main boom: 111.8 ft<sup>1)</sup>

220,500 lb 

 360°

75%

| Radius | Fly jib  |      |      |      |            |      |      |     |          |      |      |     |          |      |      |      |             |     |     |     |
|--------|----------|------|------|------|------------|------|------|-----|----------|------|------|-----|----------|------|------|------|-------------|-----|-----|-----|
|        | 65.3 ft* |      |      |      | 105.0 ft** |      |      |     | 144.3 ft |      |      |     | 177.1 ft |      |      |      | 213.2 ft*** |     |     |     |
|        | 82°      | 73°  | 65°  | 60°  | 82°        | 73°  | 65°  | 60° | 82°      | 73°  | 65°  | 60° | 82°      | 73°  | 65°  | 60°  | 82°         | 73° | 65° | 60° |
| ft     | 1,000 lb |      |      |      |            |      |      |     |          |      |      |     |          |      |      |      |             |     |     |     |
| 46     | 35.2     | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | -   |
| 52     | 35.2     | -    | -    | -    | 25.1       | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | -   |
| 59     | 35.2     | -    | -    | -    | 25.1       | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | -   |
| 65     | 35.2     | -    | -    | -    | 25.1       | -    | -    | -   | 8.0      | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | -   |
| 72     | 35.2     | 35.2 | -    | -    | 25.1       | -    | -    | -   | 8.0      | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | -   |
| 79     | -        | 35.2 | -    | -    | 25.1       | -    | -    | -   | 8.0      | -    | -    | -   | 14.5     | -    | -    | -    | -           | -   | -   | -   |
| 85     | -        | 35.2 | -    | -    | 25.1       | -    | -    | -   | 18.0     | -    | -    | -   | 14.5     | -    | -    | -    | 8.8         | -   | -   | -   |
| 92     | -        | 35.2 | 35.2 | -    | 25.1       | 25.1 | -    | -   | 18.0     | -    | -    | -   | 14.5     | -    | -    | -    | 8.8         | -   | -   | -   |
| 98     | -        | -    | 35.2 | -    | 25.1       | 25.1 | -    | -   | 18.0     | -    | -    | -   | 14.5     | -    | -    | -    | 8.8         | -   | -   | -   |
| 105    | -        | -    | 35.2 | 35.2 | 25.1       | 25.1 | -    | -   | 18.0     | 18.0 | -    | -   | 14.5     | -    | -    | -    | 8.8         | -   | -   | -   |
| 111    | -        | -    | -    | 33.0 | 25.1       | 25.1 | -    | -   | 18.0     | 18.0 | -    | -   | 14.5     | -    | -    | -    | 8.8         | -   | -   | -   |
| 118    | -        | -    | -    | 30.8 | 25.1       | 25.1 | -    | -   | 18.0     | 18.0 | -    | -   | 14.5     | 14.5 | -    | -    | 8.8         | -   | -   | -   |
| 124    | -        | -    | -    | -    | 25.1       | 25.1 | -    | -   | 18.0     | 18.0 | -    | -   | 14.5     | 14.5 | -    | -    | 8.8         | -   | -   | -   |
| 131    | -        | -    | -    | -    | 25.1       | 25.1 | 25.1 | -   | 18.0     | 18.0 | -    | -   | 14.5     | 14.5 | -    | -    | 8.8         | 8.8 | -   | -   |
| 138    | -        | -    | -    | -    | -          | 23.7 | 23.7 | -   | 18.0     | 18.0 | 18.0 | -   | 14.5     | 14.5 | -    | -    | 8.8         | 8.8 | -   | -   |
| 144    | -        | -    | -    | -    | -          | 22.3 | 22.3 | -   | 18.0     | 18.0 | 18.0 | -   | 14.5     | 14.5 | -    | -    | 8.8         | 8.8 | -   | -   |
| 151    | -        | -    | -    | -    | -          | -    | 21.1 | -   | 16.0     | 18.0 | 18.0 | -   | 14.5     | 14.5 | -    | -    | 8.8         | 8.8 | -   | -   |
| 157    | -        | -    | -    | -    | -          | -    | 20.3 | -   | 18.0     | 18.0 | 18.0 | -   | 14.5     | 14.5 | 14.5 | -    | 8.8         | 8.8 | -   | -   |
| 164    | -        | -    | -    | -    | -          | -    | -    | -   | 16.9     | 16.9 | 16.9 | -   | 14.5     | 14.5 | 14.5 | -    | 8.8         | 8.8 | -   | -   |
| 172    | -        | -    | -    | -    | -          | -    | -    | -   | -        | 15.2 | 15.2 | -   | 14.5     | 14.5 | 14.5 | 14.5 | 8.8         | 8.8 | 8.8 | -   |
| 190    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | 13.4 | 13.4 | 13.4 | 8.8         | 8.8 | 8.8 | -   |
| 203    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | 12.1 | 12.1 | 8.8         | 8.8 | 8.8 | 8.8 |
| 216    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | 11.0 | 6.8         | 8.8 | 8.8 | 8.8 |
| 229    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | 8.8         | 8.8 | 8.8 | 8.8 |
| 243    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | -           | 7.7 | 7.7 | 7.7 |
| 256    | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -   | -        | -    | -    | -    | -           | -   | -   | 7.0 |

## Remarks

1) plus 9.8 ft adaptor

\* required weight of hook block + complementary weight on fly jib = 8,636 lb

\*\* required weight of hook block + complementary weight on fly jib = 3,308 lb

\*\*\* max. wind speed 19.3 mph

Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib with SL, main boom 82° to 60°

Main boom: 127.9 ft<sup>1)</sup>

220,500 lb

 360°

75%

| Radius<br>ft | Fly jib  |      |      |      |            |      |      |     |          |      |      |      |          |     |      |      |             |     |     |     |
|--------------|----------|------|------|------|------------|------|------|-----|----------|------|------|------|----------|-----|------|------|-------------|-----|-----|-----|
|              | 85.6 ft* |      |      |      | 105.0 ft** |      |      |     | 144.3 ft |      |      |      | 177.1 ft |     |      |      | 213.2 ft*** |     |     |     |
|              | 82°      | 73°  | 65°  | 60°  | 82°        | 73°  | 65°  | 60° | 82°      | 73°  | 65°  | 60°  | 82°      | 73° | 65°  | 60°  | 82°         | 73° | 65° | 60° |
|              | 1,000 lb |      |      |      |            |      |      |     |          |      |      |      |          |     |      |      |             |     |     |     |
| 46           | 30.2     | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 52           | 30.2     | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 59           | 30.2     | -    | -    | -    | 23.1       | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 65           | 30.2     | -    | -    | -    | 23.1       | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 72           | 30.2     | -    | -    | -    | 23.1       | -    | -    | -   | 16.5     | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 79           | -        | 30.2 | -    | -    | 23.1       | -    | -    | -   | 16.5     | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | -   |
| 85           | -        | 30.2 | -    | -    | 23.1       | -    | -    | -   | 16.5     | -    | -    | -    | 10.1     | -   | -    | -    | -           | -   | -   | -   |
| 92           | -        | 30.2 | -    | -    | 23.1       | 23.1 | -    | -   | 16.5     | -    | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 98           | -        | 30.2 | 30.2 | -    | 23.1       | 23.1 | -    | -   | 16.5     | -    | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 105          | -        | -    | 30.2 | -    | 23.1       | 23.1 | -    | -   | 16.5     | -    | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 111          | -        | -    | 30.2 | -    | 23.1       | 23.1 | -    | -   | 16.5     | 16.5 | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 118          | -        | -    | -    | 30.2 | -          | 23.1 | 23.1 | -   | 16.5     | 16.5 | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 124          | -        | -    | -    | 28.6 | -          | 23.1 | 23.1 | -   | 16.5     | 16.5 | -    | -    | 10.1     | -   | -    | -    | 5.7         | -   | -   | -   |
| 131          | -        | -    | -    | -    | -          | 23.1 | 23.1 | -   | 16.5     | 16.5 | -    | -    | 10.1     | 0.1 | -    | -    | 5.7         | -   | -   | -   |
| 138          | -        | -    | -    | -    | -          | 23.1 | 23.1 | -   | 16.5     | 16.5 | -    | -    | 10.1     | 0.1 | -    | -    | 5.7         | -   | -   | -   |
| 144          | -        | -    | -    | -    | -          | 21.3 | 21.8 | -   | 16.5     | 16.5 | 16.5 | -    | 10.1     | 0.1 | -    | -    | 5.7         | 5.7 | -   | -   |
| 151          | -        | -    | -    | -    | -          | 20.4 | 20.4 | -   | 16.5     | 16.5 | 16.5 | -    | 10.1     | 0.1 | -    | -    | 5.7         | 5.7 | -   | -   |
| 167          | -        | -    | -    | -    | -          | -    | 19.6 | -   | 16.5     | 16.5 | -    | -    | 10.1     | 0.1 | -    | -    | 5.7         | 5.7 | -   | -   |
| 164          | -        | -    | -    | -    | -          | -    | 18.5 | -   | 16.5     | 16.5 | 16.5 | -    | 10.1     | 0.1 | 10.1 | -    | 5.7         | 5.7 | -   | -   |
| 177          | -        | -    | -    | -    | -          | -    | -    | -   | -        | 14.7 | 14.7 | -    | 10.1     | 0.1 | 10.1 | -    | 5.7         | 5.7 | -   | -   |
| 190          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | 13.2 | 13.2 | -        | 0.1 | 10.1 | 10.1 | 6.7         | 5.7 | 5.7 | -   |
| 203          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | 12.1 | -        | 0.1 | 10.1 | 10.1 | 5.7         | 5.7 | 5.7 | 5.7 |
| 216          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | 10.1 | 10.1 | 5.7         | 5.7 | 5.7 | 5.7 |
| 229          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | 9.7  | -           | 5.7 | 5.7 | 5.7 |
| 243          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | 5.7 | 5.7 |
| 258          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | 5.7 |
| 269          | -        | -    | -    | -    | -          | -    | -    | -   | -        | -    | -    | -    | -        | -   | -    | -    | -           | -   | -   | 5.7 |

**Remarks**

<sup>1)</sup> plus 9.8 ft adapter

<sup>\*</sup> required weight of hook block + complementary weight on fly jib = 6,898 lb

<sup>\*\*</sup> required weight of hook block + complementary weight on fly jib = 3,308 lb


<sup>\*\*\*</sup> max. wind speed 13.3 mph

Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib with SL, main boom 82° to 60°

Main boom: 144.0 ft<sup>1)</sup>

220,500 lb

 360°

75%

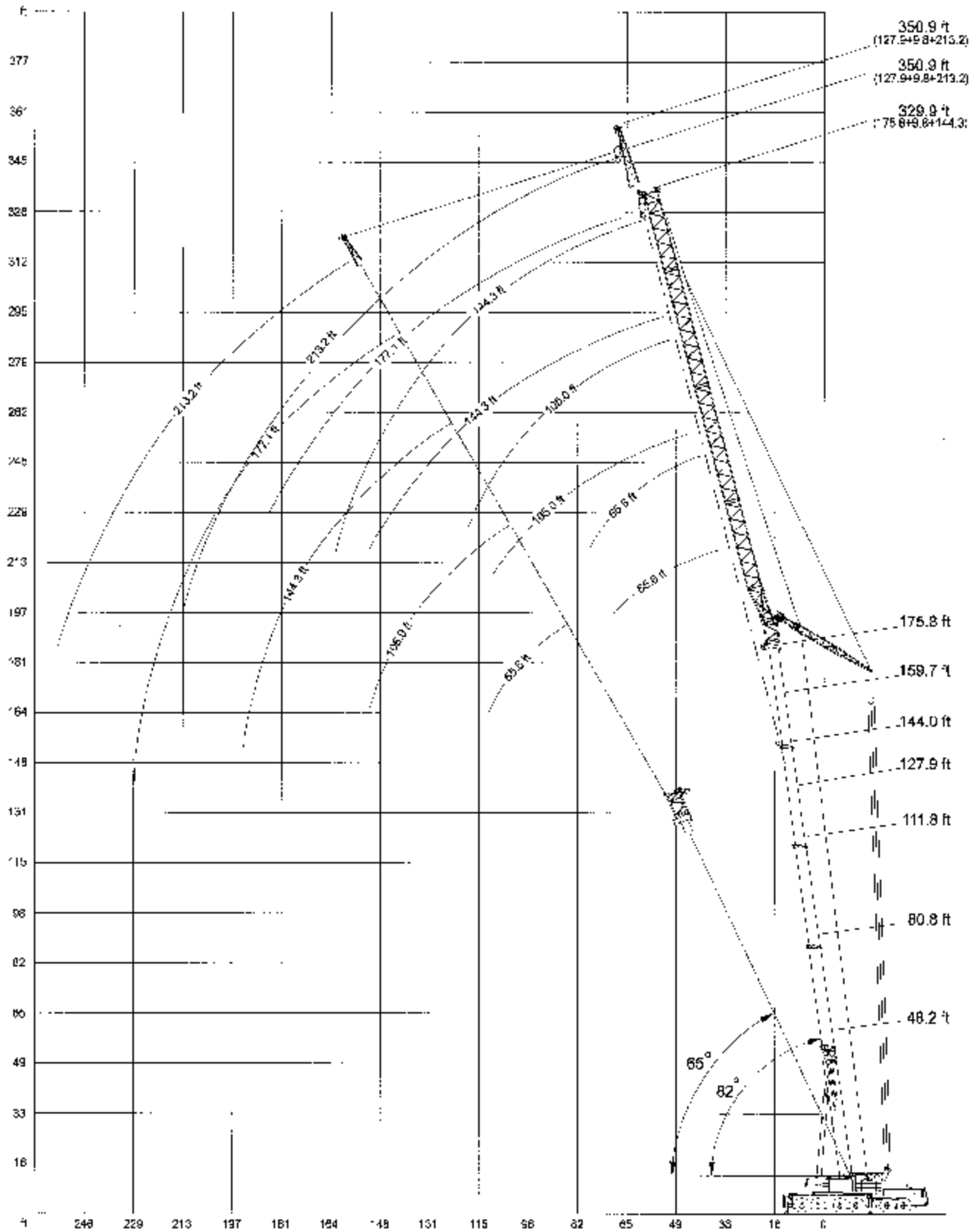
| Radius<br>ft | Fly jib  |      |      |      |            |      |      |      |          |      |      |      |          |     |     |     |             |     |     |     |
|--------------|----------|------|------|------|------------|------|------|------|----------|------|------|------|----------|-----|-----|-----|-------------|-----|-----|-----|
|              | 85.6 ft* |      |      |      | 105.0 ft** |      |      |      | 144.3 ft |      |      |      | 177.1 ft |     |     |     | 213.2 ft*** |     |     |     |
|              | 82°      | 73°  | 65°  | 60°  | 82°        | 73°  | 65°  | 60°  | 82°      | 73°  | 65°  | 60°  | 82°      | 73° | 65° | 60° | 82°         | 73° | 65° | 60° |
|              | 1,000 lb |      |      |      |            |      |      |      |          |      |      |      |          |     |     |     |             |     |     |     |
| 48           | 27.9     | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | -   |
| 52           | 27.9     | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | -   |
| 59           | 27.9     | -    | -    | -    | 19.8       | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | -   |
| 65           | 27.9     | -    | -    | -    | 19.8       | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | -   |
| 72           | 27.9     | -    | -    | -    | 19.8       | -    | -    | -    | 12.1     | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | -   |
| 79           | 27.9     | 27.9 | -    | -    | 19.8       | -    | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | -           | -   | -   | -   |
| 85           | -        | 27.9 | -    | -    | 19.8       | -    | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | -           | -   | -   | -   |
| 92           | -        | 27.9 | -    | -    | 19.8       | -    | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 98           | -        | 27.9 | -    | -    | 19.8       | 19.8 | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 105          | -        | -    | 27.9 | -    | 19.8       | 19.8 | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 111          | -        | -    | 27.9 | -    | 19.8       | 19.8 | -    | -    | 12.1     | -    | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 118          | -        | -    | 27.9 | 27.9 | 19.8       | 19.8 | -    | -    | 12.1     | 12.1 | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 124          | -        | -    | -    | 26.6 | -          | 19.8 | -    | -    | 12.1     | 12.1 | -    | -    | 6.6      | -   | -   | -   | 3.3         | -   | -   | -   |
| 131          | -        | -    | -    | 24.9 | -          | 19.8 | 19.8 | -    | 12.1     | 12.1 | -    | -    | 6.6      | 6.6 | -   | -   | 3.3         | -   | -   | -   |
| 138          | -        | -    | -    | -    | -          | 19.8 | 19.8 | -    | 12.1     | 12.1 | -    | -    | 6.6      | 6.6 | -   | -   | 3.3         | -   | -   | -   |
| 144          | -        | -    | -    | -    | -          | -    | 19.8 | 19.8 | 12.1     | 12.1 | -    | -    | 6.6      | 6.6 | -   | -   | 3.3         | 3.3 | -   | -   |
| 151          | -        | -    | -    | -    | -          | -    | 18.7 | 18.7 | -        | 12.1 | 12.1 | -    | 6.6      | 6.6 | -   | -   | 3.3         | 3.3 | -   | -   |
| 157          | -        | -    | -    | -    | -          | -    | 17.9 | 17.9 | -        | 12.1 | 12.1 | -    | 6.6      | 6.6 | -   | -   | 3.3         | 3.3 | -   | -   |
| 164          | -        | -    | -    | -    | -          | -    | -    | 16.9 | -        | 12.1 | 12.1 | -    | 6.6      | 6.6 | 6.6 | -   | 3.3         | 3.3 | -   | -   |
| 177          | -        | -    | -    | -    | -          | -    | -    | -    | -        | 12.1 | 12.1 | 12.1 | 6.6      | 6.6 | 6.6 | -   | 3.3         | 3.3 | -   | -   |
| 190          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | 11.6 | 11.6 | -        | 6.6 | 6.6 | 6.6 | 3.3         | 3.3 | 3.3 | -   |
| 203          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | 10.6 | -        | 6.6 | 6.6 | 6.6 | 3.3         | 3.3 | 3.3 | -   |
| 216          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | 6.6 | 6.6 | -   | 3.3         | 3.3 | 3.3 | 3.3 |
| 229          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | 6.6 | -   | 3.3         | 3.3 | 3.3 | 3.3 |
| 243          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | 3.3         | 3.3 | 3.3 | 3.3 |
| 256          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | 3.3 | 3.3 |
| 269          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | 3.3 |
| 275          | -        | -    | -    | -    | -          | -    | -    | -    | -        | -    | -    | -    | -        | -   | -   | -   | -           | -   | -   | 3.3 |

**Remarks**

- <sup>1)</sup> plus 9.8 ft adapter
- \* required weight of hook block – complementary weight on fly jib = 6 836 lb
- \*\* required weight of hook block – complementary weight on fly jib = 8 908 lb
- \*\*\* max. wind speed 13.3 mph

Complementary weight and hook block are part of the load

# Working ranges luffing fly jib, main boom 82° to 65°



# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 48.2 ft<sup>2)</sup>

116,900 lb<sup>1)</sup> / 167,600 lb



360°

75%

| Radius<br>ft | Fly jib  |      |      |            |      |      |          |      |      |          |      |      |             |      |      |
|--------------|----------|------|------|------------|------|------|----------|------|------|----------|------|------|-------------|------|------|
|              | 65.6 ft* |      |      | 105.0 ft** |      |      | 144.3 ft |      |      | 177.1 ft |      |      | 219.2 ft*** |      |      |
|              | 82°      | 73°  | 65°  | 82°        | 73°  | 65°  | 82°      | 73°  | 65°  | 82°      | 73°  | 65°  | 82°         | 73°  | 65°  |
|              | 1,000 lb |      |      |            |      |      |          |      |      |          |      |      |             |      |      |
| 29           | 119.0    | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | -           | -    | -    |
| 33           | 118.5    | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | -           | -    | -    |
| 39           | 117.5    | -    | -    | 70.5       | -    | -    | -        | -    | -    | -        | -    | -    | -           | -    | -    |
| 46           | 100.0    | -    | -    | 70.5       | -    | -    | -        | -    | -    | -        | -    | -    | -           | -    | -    |
| 52           | 88.0     | 94.5 | -    | 89.5       | -    | -    | 44.0     | -    | -    | -        | -    | -    | -           | -    | -    |
| 59           | 76.0     | 82.5 | -    | 67.0       | -    | -    | 44.0     | -    | -    | 29.7     | -    | -    | -           | -    | -    |
| 65           | 89.0     | 74.5 | 71.0 | 66.0       | -    | -    | 44.0     | -    | -    | 29.7     | -    | -    | -           | -    | -    |
| 72           | -        | 66.0 | 63.5 | 59.9       | 62.0 | -    | 44.0     | -    | -    | 29.3     | -    | -    | 20.2        | -    | -    |
| 79           | -        | -    | 57.7 | 54.0       | 58.6 | -    | 42.9     | -    | -    | 28.8     | -    | -    | 20.2        | -    | -    |
| 85           | -        | -    | -    | 49.8       | 54.0 | -    | 42.1     | -    | -    | 28.4     | -    | -    | 20.0        | -    | -    |
| 92           | -        | -    | -    | 45.3       | 49.3 | 46.8 | 41.2     | 41.4 | -    | 28.2     | -    | -    | 19.6        | -    | -    |
| 98           | -        | -    | -    | 41.9       | 46.0 | 43.6 | 40.1     | 41.0 | -    | 27.8     | -    | -    | 19.4        | -    | -    |
| 105          | -        | -    | -    | -          | 42.5 | 40.3 | 36.8     | 40.3 | -    | 27.3     | 26.8 | -    | 19.1        | -    | -    |
| 111          | -        | -    | -    | -          | 39.9 | 37.9 | 34.1     | 36.1 | 35.9 | 27.1     | 26.6 | -    | 18.9        | -    | -    |
| 118          | -        | -    | -    | -          | -    | 35.3 | 31.5     | 35.5 | 33.3 | 26.8     | 26.4 | -    | 18.7        | 17.4 | -    |
| 124          | -        | -    | -    | -          | -    | -    | 29.6     | 33.3 | 31.5 | 26.4     | 26.2 | 26.2 | 18.5        | 17.4 | -    |
| 131          | -        | -    | -    | -          | -    | -    | 27.4     | 31.1 | 29.3 | 26.0     | 26.0 | 26.0 | 18.5        | 17.2 | -    |
| 138          | -        | -    | -    | -          | -    | -    | 25.5     | 29.2 | 27.5 | 25.3     | 25.7 | 25.7 | 18.2        | 16.9 | -    |
| 144          | -        | -    | -    | -          | -    | -    | -        | 27.8 | 26.0 | 24.1     | 25.7 | 25.5 | 18.0        | 16.7 | 16.5 |
| 151          | -        | -    | -    | -          | -    | -    | -        | 26.2 | 24.6 | 22.4     | 25.6 | 24.4 | 17.8        | 16.5 | 16.3 |
| 157          | -        | -    | -    | -          | -    | -    | -        | -    | 23.4 | 21.2     | 24.7 | 23.2 | 17.6        | 16.3 | 16.3 |
| 164          | -        | -    | -    | -          | -    | -    | -        | -    | -    | 20.0     | 23.3 | 21.6 | 17.4        | 16.0 | 16.0 |
| 170          | -        | -    | -    | -          | -    | -    | -        | -    | -    | 19.0     | 22.3 | 20.6 | 17.2        | 15.8 | 15.0 |
| 177          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | 21.1 | 19.6 | 18.7        | 15.8 | 15.8 |
| 184          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | 18.5 | 15.8        | 15.4 | 15.6 |
| 190          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | 18.1 | 15.0        | 15.2 | 15.4 |
| 197          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | 14.0        | 14.9 | 15.2 |
| 200          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | 13.4        | 14.5 | 15.0 |
| 210          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | -           | 14.3 | 14.5 |
| 216          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | -           | 14.1 | 13.9 |
| 223          | -        | -    | -    | -          | -    | -    | -        | -    | -    | -        | -    | -    | -           | -    | 13.2 |

## Remarks

<sup>1)</sup> Boom angle 82°

<sup>2)</sup> plus 9.8 ft adapter

<sup>4)</sup> required weight of hook block + complementary weight on fly jib = 6,836 lb

<sup>\*\*</sup> required weight of hook block + complementary weight on fly jib = 3,306 lb

<sup>\*\*\*</sup> max. wind speed 13.3 mph

Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 48.2 ft<sup>2)</sup>

116,900 lb<sup>1)</sup> / 167,600 lb



360°

75%

| Radius<br>ft | Fly jib               |      |      |                        |      |      |          |      |      |          |      |      |                        |      |      |
|--------------|-----------------------|------|------|------------------------|------|------|----------|------|------|----------|------|------|------------------------|------|------|
|              | 65.6 ft <sup>1)</sup> |      |      | 105.0 ft <sup>2)</sup> |      |      | 144.3 ft |      |      | 177.1 ft |      |      | 219.2 ft <sup>3)</sup> |      |      |
|              | 82°                   | 73°  | 65°  | 82°                    | 73°  | 65°  | 82°      | 73°  | 65°  | 82°      | 73°  | 65°  | 82°                    | 73°  | 65°  |
|              | 1,000 lb              |      |      |                        |      |      |          |      |      |          |      |      |                        |      |      |
| 29           | 119.0                 | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 33           | 118.5                 | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 39           | 117.5                 | -    | -    | 70.5                   | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 46           | 100.0                 | -    | -    | 70.5                   | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 52           | 88.0                  | 94.5 | -    | 89.5                   | -    | -    | 44.0     | -    | -    | -        | -    | -    | -                      | -    | -    |
| 59           | 76.0                  | 82.5 | -    | 87.0                   | -    | -    | 44.0     | -    | -    | 29.7     | -    | -    | -                      | -    | -    |
| 65           | 89.0                  | 74.5 | 71.0 | 66.0                   | -    | -    | 44.0     | -    | -    | 29.7     | -    | -    | -                      | -    | -    |
| 72           | -                     | 66.0 | 63.5 | 59.9                   | 62.0 | -    | 44.0     | -    | -    | 29.3     | -    | -    | 20.2                   | -    | -    |
| 79           | -                     | -    | 57.7 | 54.0                   | 58.6 | -    | 42.9     | -    | -    | 28.8     | -    | -    | 20.2                   | -    | -    |
| 85           | -                     | -    | -    | 49.8                   | 54.0 | -    | 42.1     | -    | -    | 28.4     | -    | -    | 20.0                   | -    | -    |
| 92           | -                     | -    | -    | 45.3                   | 49.3 | 46.8 | 41.2     | 41.4 | -    | 28.2     | -    | -    | 19.6                   | -    | -    |
| 98           | -                     | -    | -    | 41.9                   | 46.0 | 43.6 | 40.1     | 41.0 | -    | 27.8     | -    | -    | 19.4                   | -    | -    |
| 105          | -                     | -    | -    | -                      | 42.5 | 40.3 | 36.8     | 40.3 | -    | 27.3     | 26.8 | -    | 19.1                   | -    | -    |
| 111          | -                     | -    | -    | -                      | 39.9 | 37.9 | 34.1     | 36.1 | 35.9 | 27.1     | 26.6 | -    | 18.9                   | -    | -    |
| 118          | -                     | -    | -    | -                      | -    | 35.3 | 31.5     | 35.5 | 33.3 | 26.8     | 26.4 | -    | 18.7                   | 17.4 | -    |
| 124          | -                     | -    | -    | -                      | -    | -    | 29.6     | 33.3 | 31.5 | 26.4     | 26.2 | 26.2 | 18.5                   | 17.4 | -    |
| 131          | -                     | -    | -    | -                      | -    | -    | 27.4     | 31.1 | 29.3 | 26.0     | 26.0 | 26.0 | 18.5                   | 17.2 | -    |
| 138          | -                     | -    | -    | -                      | -    | -    | 25.5     | 29.2 | 27.5 | 25.3     | 25.7 | 25.7 | 18.2                   | 16.9 | -    |
| 144          | -                     | -    | -    | -                      | -    | -    | -        | 27.8 | 26.0 | 24.1     | 25.7 | 25.5 | 18.0                   | 16.7 | 16.5 |
| 151          | -                     | -    | -    | -                      | -    | -    | -        | 26.2 | 24.6 | 22.4     | 25.6 | 24.4 | 17.8                   | 16.5 | 16.3 |
| 157          | -                     | -    | -    | -                      | -    | -    | -        | -    | 23.4 | 21.2     | 24.7 | 23.2 | 17.6                   | 16.3 | 16.3 |
| 164          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | 20.0     | 23.3 | 21.6 | 17.4                   | 16.0 | 16.0 |
| 170          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | 19.0     | 22.3 | 20.6 | 17.2                   | 15.8 | 15.0 |
| 177          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | 21.1 | 19.6 | 18.7                   | 15.8 | 15.8 |
| 184          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 18.5 | 15.8                   | 15.4 | 15.6 |
| 190          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 18.1 | 15.0                   | 15.2 | 15.4 |
| 197          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | 14.0                   | 14.9 | 15.2 |
| 200          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | 13.4                   | 14.5 | 15.0 |
| 210          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | 14.3 | 14.5 |
| 216          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | 14.1 | 13.9 |
| 223          | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | 13.2 |

## Remarks

<sup>1)</sup> Boom angle 82°

<sup>2)</sup> plus 9.8 ft adapter

<sup>4)</sup> required weight of hook block + complementary weight on fly jib = 6,836 lb

<sup>5)</sup> required weight of hook block + complementary weight on fly jib = 3,306 lb

<sup>3)</sup> max. wind speed 13.3 mph

Complementary weight and hook block are part of the load



# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 80.0 ft<sup>2)</sup>

116,900 lb<sup>1)</sup> / 167,600 lb

 360°

75%

| Radius | Fly jib               |      |      |                        |      |      |          |      |      |          |      |      |                        |      |      |
|--------|-----------------------|------|------|------------------------|------|------|----------|------|------|----------|------|------|------------------------|------|------|
|        | 85.6 ft <sup>4)</sup> |      |      | 105.0 ft <sup>4)</sup> |      |      | 144.3 ft |      |      | 177.1 ft |      |      | 213.2 ft <sup>4)</sup> |      |      |
|        | 82°                   | 73°  | 65°  | 82°                    | 73°  | 65°  | 82°      | 73°  | 65°  | 82°      | 73°  | 65°  | 82°                    | 73°  | 65°  |
| t      | ,000 lb               |      |      |                        |      |      |          |      |      |          |      |      |                        |      |      |
| 39     | 98.0                  | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 46     | 94.5                  | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 52     | 84.5                  | -    | -    | 81.0                   | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 59     | 72.5                  | -    | -    | 60.0                   | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | -    |
| 65     | 68.0                  | 68.5 | -    | 59.4                   | -    | -    | 39.9     | -    | -    | -        | -    | -    | -                      | -    | -    |
| 72     | -                     | 62.0 | -    | 57.8                   | -    | -    | 39.9     | -    | -    | 26.4     | -    | -    | -                      | -    | -    |
| 79     | -                     | 56.0 | 51.6 | 51.6                   | 54.2 | -    | 39.4     | -    | -    | 26.2     | -    | -    | -                      | 16.5 | -    |
| 85     | -                     | 51.8 | 47.6 | 47.6                   | 49.8 | -    | 38.6     | -    | -    | 25.8     | -    | -    | -                      | 16.1 | -    |
| 92     | -                     | -    | 43.5 | 43.1                   | 45.5 | -    | 37.6     | 36.1 | -    | 25.3     | -    | -    | -                      | 15.6 | -    |
| 98     | -                     | -    | -    | 39.9                   | 42.3 | 38.5 | 36.6     | 35.9 | -    | 24.7     | -    | -    | -                      | 15.2 | -    |
| 105    | -                     | -    | -    | 36.3                   | 39.0 | 35.4 | 35.0     | 35.4 | -    | 24.0     | -    | -    | -                      | 14.9 | -    |
| 111    | -                     | -    | -    | -                      | 36.5 | 33.2 | 32.4     | 34.6 | -    | 23.4     | 23.4 | -    | -                      | 14.7 | -    |
| 118    | -                     | -    | -    | -                      | 34.2 | 30.9 | 29.8     | 32.4 | -    | 22.9     | 22.9 | -    | -                      | 14.3 | -    |
| 124    | -                     | -    | -    | -                      | -    | 29.2 | 27.9     | 30.4 | 27.2 | 22.8     | 22.5 | -    | -                      | 14.1 | 14.1 |
| 131    | -                     | -    | -    | -                      | -    | 27.4 | 25.8     | 28.5 | 25.4 | 21.6     | 22.0 | -    | -                      | 13.8 | 13.8 |
| 138    | -                     | -    | -    | -                      | -    | -    | 23.9     | 26.6 | 23.7 | 20.9     | 21.5 | 21.6 | -                      | 13.6 | 13.4 |
| 144    | -                     | -    | -    | -                      | -    | -    | 22.7     | 25.2 | 22.3 | 20.3     | 21.1 | 21.6 | -                      | 13.4 | 13.2 |
| 151    | -                     | -    | -    | -                      | -    | -    | -        | 23.7 | 21.1 | 19.8     | 20.9 | 20.9 | -                      | 13.2 | 13.0 |
| 157    | -                     | -    | -    | -                      | -    | -    | -        | 22.5 | 20.1 | 19.4     | 20.7 | 19.9 | -                      | 13.0 | 12.8 |
| 164    | -                     | -    | -    | -                      | -    | -    | -        | -    | 18.9 | 18.9     | 20.5 | 18.7 | -                      | 12.7 | 12.5 |
| 170    | -                     | -    | -    | -                      | -    | -    | -        | -    | 17.9 | 17.9     | 20.1 | 17.9 | -                      | 12.7 | 12.3 |
| 177    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | 16.7     | 19.2 | 16.7 | -                      | 12.5 | 12.1 |
| 184    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | 18.0 | 16.0 | -                      | 12.5 | 12.1 |
| 190    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | 17.4 | 15.2 | -                      | 12.3 | 11.9 |
| 197    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 14.5 | -                      | 12.3 | 11.6 |
| 203    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 13.9 | -                      | 12.1 | 11.5 |
| 210    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | 11.9 | 11.8 |
| 216    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | 11.4 | 11.2 |
| 223    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | 11.4 | 10.5 |
| 229    | -                     | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -    | -                      | -    | 9.6  |

## Remarks

<sup>1)</sup> Boom angle 82°

<sup>2)</sup> plus 9.8 ft adapter

\* required weight of hook block + complementary weight on fly jib = 6.836 lb

\*\* required weight of hook block + complementary weight on fly jib = 3.308 lb

<sup>4)</sup> max. wind speed 19.3 mph

Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 111.8 ft<sup>2</sup>)

116,900 lb<sup>1)</sup> / 167,600 lb

 360°

75%

| Radius<br>ft | 65.6 ft <sup>†</sup> |      |      | 105.0 ft <sup>**</sup> |      |      | Fly jib<br>144.3 ft |      |      | 177.1 ft |      |      | 213.2 ft <sup>***</sup> |     |     |
|--------------|----------------------|------|------|------------------------|------|------|---------------------|------|------|----------|------|------|-------------------------|-----|-----|
|              | 82°                  | 73°  | 65°  | 82°                    | 73°  | 65°  | 82°                 | 73°  | 65°  | 82°      | 73°  | 65°  | 82°                     | 73° | 65° |
|              | 1,000 lb             |      |      |                        |      |      |                     |      |      |          |      |      |                         |     |     |
| 46           | 69.0                 | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 52           | 64.0                 | -    | -    | 43.5                   | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 59           | 58.9                 | -    | -    | 41.9                   | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 65           | 56.4                 | -    | -    | 40.8                   | -    | -    | 28.6                | -    | -    | -        | -    | -    | -                       | -   | -   |
| 72           | 55.1                 | 47.9 | -    | 40.1                   | -    | -    | 28.6                | -    | -    | -        | -    | -    | -                       | -   | -   |
| 79           | -                    | 44.4 | -    | 39.3                   | -    | -    | 28.6                | -    | -    | 17.3     | -    | -    | -                       | -   | -   |
| 85           | -                    | 42.4 | -    | 39.3                   | -    | -    | 28.6                | -    | -    | 16.9     | -    | -    | 11.0                    | -   | -   |
| 92           | -                    | 40.5 | 34.3 | 39.3                   | 35.0 | -    | 28.6                | -    | -    | 16.7     | -    | -    | 11.0                    | -   | -   |
| 98           | -                    | -    | 32.5 | 37.8                   | 33.6 | -    | 28.6                | -    | -    | 16.3     | -    | -    | 11.0                    | -   | -   |
| 105          | -                    | -    | 31.0 | 34.6                   | 31.0 | -    | 28.6                | 25.5 | -    | 16.0     | -    | -    | 11.0                    | -   | -   |
| 111          | -                    | -    | -    | 32.1                   | 30.9 | -    | 28.6                | 24.0 | -    | 15.6     | -    | -    | 11.0                    | -   | -   |
| 118          | -                    | -    | -    | -                      | 29.9 | 24.7 | 28.2                | 24.4 | -    | 15.2     | 15.4 | -    | 10.8                    | -   | -   |
| 124          | -                    | -    | -    | -                      | 26.9 | 23.5 | 26.4                | 23.8 | -    | 15.2     | 15.0 | -    | 10.8                    | -   | -   |
| 131          | -                    | -    | -    | -                      | 27.3 | 22.5 | 24.3                | 23.1 | -    | 14.9     | 14.7 | -    | 10.5                    | 9.2 | -   |
| 138          | -                    | -    | -    | -                      | -    | 21.5 | 22.6                | 22.6 | 18.4 | 14.9     | 14.5 | -    | 10.5                    | 9.2 | -   |
| 144          | -                    | -    | -    | -                      | -    | 20.7 | 21.2                | 22.0 | 17.6 | 14.7     | 14.3 | -    | 10.3                    | 9.0 | -   |
| 151          | -                    | -    | -    | -                      | -    | -    | 20.0                | 21.1 | 18.7 | 14.7     | 14.1 | -    | 10.3                    | 9.0 | -   |
| 157          | -                    | -    | -    | -                      | -    | -    | -                   | 20.1 | 15.9 | 14.7     | 14.1 | 12.8 | 10.3                    | 8.8 | -   |
| 164          | -                    | -    | -    | -                      | -    | -    | -                   | 18.9 | 15.2 | 14.7     | 13.8 | 12.1 | 10.1                    | 8.8 | -   |
| 170          | -                    | -    | -    | -                      | -    | -    | -                   | 18.1 | 14.8 | 14.7     | 13.6 | 11.5 | 10.1                    | 8.6 | 7.8 |
| 177          | -                    | -    | -    | -                      | -    | -    | -                   | -    | 13.9 | 14.7     | 13.6 | 11.0 | 9.9                     | 8.5 | 7.8 |
| 184          | -                    | -    | -    | -                      | -    | -    | -                   | -    | 12.9 | -        | 13.6 | 10.3 | 9.9                     | 8.5 | 7.8 |
| 190          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | 13.4 | 9.9  | 9.9                     | 8.3 | 7.7 |
| 197          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | 13.4 | 9.8  | 9.9                     | 8.3 | 7.7 |
| 203          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 9.2  | 9.7                     | 8.3 | 7.5 |
| 210          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 9.0  | 9.7                     | 8.3 | 7.4 |
| 216          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 8.8  | 9.7                     | 8.3 | 7.2 |
| 223          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | 8.3 | 7.0 |
| 229          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | 8.0 | 7.0 |
| 243          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | 6.1 |

**Remarks**

- 1) Boom angle 82°
  - 2) plus 9.8 ft adapter
  - † required weight of hook block + complementary weight on fly jib = 6,836 lb
  - \*\* required weight of hook block + complementary weight on fly jib = 3,308 lb
  - \*\*\* max. wind speed 19.3 mph
- Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 111.8 ft<sup>2</sup>)

116,900 lb<sup>1)</sup> / 167,600 lb

 360°

75%

| Radius<br>ft | 65.6 ft <sup>†</sup> |      |      | 105.0 ft <sup>**</sup> |      |      | Fly jib<br>144.3 ft |      |      | 177.1 ft |      |      | 213.2 ft <sup>***</sup> |     |     |
|--------------|----------------------|------|------|------------------------|------|------|---------------------|------|------|----------|------|------|-------------------------|-----|-----|
|              | 82°                  | 73°  | 65°  | 82°                    | 73°  | 65°  | 82°                 | 73°  | 65°  | 82°      | 73°  | 65°  | 82°                     | 73° | 65° |
|              | 1,000 lb             |      |      |                        |      |      |                     |      |      |          |      |      |                         |     |     |
| 46           | 69.0                 | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 52           | 64.0                 | -    | -    | 43.5                   | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 59           | 58.9                 | -    | -    | 41.9                   | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | -   |
| 65           | 56.4                 | -    | -    | 40.8                   | -    | -    | 28.6                | -    | -    | -        | -    | -    | -                       | -   | -   |
| 72           | 55.1                 | 47.9 | -    | 40.1                   | -    | -    | 28.6                | -    | -    | -        | -    | -    | -                       | -   | -   |
| 79           | -                    | 44.4 | -    | 39.3                   | -    | -    | 28.6                | -    | -    | 17.3     | -    | -    | -                       | -   | -   |
| 85           | -                    | 42.4 | -    | 39.3                   | -    | -    | 28.6                | -    | -    | 16.9     | -    | -    | 11.0                    | -   | -   |
| 92           | -                    | 40.5 | 34.3 | 39.3                   | 35.0 | -    | 28.6                | -    | -    | 16.7     | -    | -    | 11.0                    | -   | -   |
| 98           | -                    | -    | 32.5 | 37.8                   | 33.6 | -    | 28.6                | -    | -    | 16.3     | -    | -    | 11.0                    | -   | -   |
| 105          | -                    | -    | 31.0 | 34.6                   | 31.0 | -    | 28.6                | 25.5 | -    | 16.0     | -    | -    | 11.0                    | -   | -   |
| 111          | -                    | -    | -    | 32.1                   | 30.9 | -    | 28.6                | 24.0 | -    | 15.6     | -    | -    | 11.0                    | -   | -   |
| 118          | -                    | -    | -    | -                      | 29.9 | 24.7 | 28.2                | 24.4 | -    | 15.2     | 15.4 | -    | 10.8                    | -   | -   |
| 124          | -                    | -    | -    | -                      | 26.9 | 23.5 | 26.4                | 23.8 | -    | 15.2     | 15.0 | -    | 10.8                    | -   | -   |
| 131          | -                    | -    | -    | -                      | 27.3 | 22.5 | 24.3                | 23.1 | -    | 14.9     | 14.7 | -    | 10.5                    | 9.2 | -   |
| 138          | -                    | -    | -    | -                      | -    | 21.5 | 22.6                | 22.6 | 18.4 | 14.9     | 14.5 | -    | 10.5                    | 9.2 | -   |
| 144          | -                    | -    | -    | -                      | -    | 20.7 | 21.2                | 22.0 | 17.6 | 14.7     | 14.3 | -    | 10.3                    | 9.0 | -   |
| 151          | -                    | -    | -    | -                      | -    | -    | 20.0                | 21.1 | 18.7 | 14.7     | 14.1 | -    | 10.3                    | 9.0 | -   |
| 157          | -                    | -    | -    | -                      | -    | -    | -                   | 20.1 | 15.9 | 14.7     | 14.1 | 12.8 | 10.3                    | 8.8 | -   |
| 164          | -                    | -    | -    | -                      | -    | -    | -                   | 18.9 | 15.2 | 14.7     | 13.8 | 12.1 | 10.1                    | 8.8 | -   |
| 170          | -                    | -    | -    | -                      | -    | -    | -                   | 18.1 | 14.8 | 14.7     | 13.6 | 11.5 | 10.1                    | 8.6 | 7.8 |
| 177          | -                    | -    | -    | -                      | -    | -    | -                   | -    | 13.9 | 14.7     | 13.6 | 11.0 | 9.9                     | 8.5 | 7.8 |
| 184          | -                    | -    | -    | -                      | -    | -    | -                   | -    | 12.9 | -        | 13.6 | 10.3 | 9.9                     | 8.5 | 7.8 |
| 190          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | 13.4 | 9.9  | 9.9                     | 8.3 | 7.7 |
| 197          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | 13.4 | 9.8  | 9.9                     | 8.3 | 7.7 |
| 203          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 9.2  | 9.7                     | 8.3 | 7.5 |
| 210          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 9.0  | 9.7                     | 8.3 | 7.4 |
| 216          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | 8.8  | 9.7                     | 8.3 | 7.2 |
| 223          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | 8.3 | 7.0 |
| 229          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | 8.0 | 7.0 |
| 243          | -                    | -    | -    | -                      | -    | -    | -                   | -    | -    | -        | -    | -    | -                       | -   | 6.1 |


**Remarks**

- 1) Boom angle 82°
  - 2) plus 9.8 ft adapter
  - † required weight of hook block + complementary weight on fly jib = 6,836 lb
  - \*\* required weight of hook block + complementary weight on fly jib = 3,308 lb
  - \*\*\* max. wind speed 19.3 mph
- Complementary weight and hook block are part of the load

# Lifting capacities luffing fly jib, main boom 82° to 65°

Main boom: 127.9 ft<sup>2)</sup>

116,900 lb<sup>1)</sup> / 167,600 lb

 360°

75%

| Radius<br>ft | Fly jib              |      |      |                        |      |      |          |      |      |          |      |     |                         |     |     |
|--------------|----------------------|------|------|------------------------|------|------|----------|------|------|----------|------|-----|-------------------------|-----|-----|
|              | 65.6 ft <sup>*</sup> |      |      | 105.0 ft <sup>**</sup> |      |      | 144.9 ft |      |      | 177.1 ft |      |     | 215.2 ft <sup>***</sup> |     |     |
|              | 82°                  | 73°  | 65°  | 82°                    | 73°  | 65°  | 82°      | 73°  | 65°  | 82°      | 73°  | 65° | 82°                     | 73° | 65° |
| 46           | 55.1                 | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | -   |
| 52           | 55.1                 | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | -   |
| 59           | 50.7                 | -    | -    | 35.0                   | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | -   |
| 65           | 47.7                 | -    | -    | 34.0                   | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | -   |
| 72           | 45.4                 | -    | -    | 33.0                   | -    | -    | 23.3     | -    | -    | -        | -    | -   | -                       | -   | -   |
| 79           | -                    | 35.4 | -    | 32.1                   | -    | -    | 22.9     | -    | -    | -        | -    | -   | -                       | -   | -   |
| 85           | -                    | 33.6 | -    | 31.5                   | -    | -    | 22.7     | -    | -    | 13.0     | -    | -   | -                       | -   | -   |
| 92           | -                    | 31.9 | -    | 30.8                   | -    | -    | 22.4     | -    | -    | 12.7     | -    | -   | -                       | 7.4 | -   |
| 98           | -                    | 31.1 | 28.3 | 30.4                   | 26.9 | -    | 22.2     | -    | -    | 12.3     | -    | -   | -                       | 7.2 | -   |
| 105          | -                    | -    | 24.6 | 30.2                   | 25.5 | -    | 22.0     | -    | -    | 12.1     | -    | -   | -                       | 7.2 | -   |
| 111          | -                    | -    | 23.6 | 30.2                   | 24.6 | -    | 22.0     | 18.9 | -    | 11.9     | -    | -   | -                       | 7.2 | -   |
| 118          | -                    | -    | -    | -                      | 23.6 | -    | 21.9     | 18.5 | -    | 11.6     | -    | -   | -                       | 7.0 | -   |
| 124          | -                    | -    | -    | -                      | 22.9 | 19.0 | 21.9     | 18.3 | -    | 11.4     | -    | -   | -                       | 7.0 | -   |
| 131          | -                    | -    | -    | -                      | 22.2 | 18.1 | 21.8     | 17.8 | -    | 11.2     | 10.3 | -   | -                       | 7.0 | -   |
| 138          | -                    | -    | -    | -                      | -    | 17.1 | 21.5     | 17.4 | -    | 11.2     | 10.3 | -   | -                       | 7.0 | -   |
| 144          | -                    | -    | -    | -                      | -    | 18.5 | 20.7     | 16.9 | 13.4 | 11.0     | 10.3 | -   | -                       | 6.8 | 5.3 |
| 151          | -                    | -    | -    | -                      | -    | 15.0 | 19.6     | 16.5 | 12.7 | 10.8     | 10.1 | -   | -                       | 6.8 | 5.0 |
| 157          | -                    | -    | -    | -                      | -    | -    | -        | 16.1 | 12.1 | 10.8     | 9.9  | -   | -                       | 6.8 | 5.0 |
| 164          | -                    | -    | -    | -                      | -    | -    | -        | 15.6 | 11.4 | 10.8     | 9.9  | 8.8 | -                       | 6.8 | 4.8 |
| 170          | -                    | -    | -    | -                      | -    | -    | -        | 15.2 | 10.8 | 10.8     | 9.7  | 8.4 | -                       | 6.8 | 4.8 |
| 177          | -                    | -    | -    | -                      | -    | -    | -        | -    | 10.3 | 10.8     | 9.7  | 7.9 | -                       | 6.8 | 4.6 |
| 184          | -                    | -    | -    | -                      | -    | -    | -        | -    | 10.1 | 10.8     | 9.7  | 7.4 | -                       | 6.8 | 4.6 |
| 190          | -                    | -    | -    | -                      | -    | -    | -        | -    | 9.7  | -        | 9.7  | 7.0 | -                       | 6.6 | 4.4 |
| 197          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | 9.7  | 6.6 | -                       | 6.6 | 4.4 |
| 208          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | 9.7  | 6.4 | -                       | 6.6 | 4.4 |
| 210          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 6.1 | 6.6                     | 4.4 | 3.9 |
| 216          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 5.9 | 6.6                     | 4.2 | 3.9 |
| 223          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | 5.7 | -                       | 4.1 | 3.9 |
| 229          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -   | -                       | 4.1 | 3.9 |
| 243          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | 3.7 |
| 256          | -                    | -    | -    | -                      | -    | -    | -        | -    | -    | -        | -    | -   | -                       | -   | 3.7 |

## Remarks

- <sup>1)</sup> Boom angle 82°
- <sup>2)</sup> plus 9.8 ft adapter
- <sup>\*</sup> required weight of hook block + complementary weight on fly jib = 6,836 lb
- <sup>\*\*</sup> required weight of hook block + complementary weight on fly jib = 3,308 lb
- <sup>\*\*\*</sup> max. wind speed 13.3 mph



# Technical description

## Carrier

|                              |  |
|------------------------------|--|
| <b>Drive/Steering:</b>       | 12 x 6 x 8.  |
| <b>Frame:</b>                | Demag-built monobox main frame with outrigger boxes integral of high strength fine grain structural steel.   |
| <b>Outriggers:</b>           | 4-point outrigger system, fully hydraulic horizontal and vertical extension.   |
| <b>Engines:</b>              | Daimler-Benz OM 442 LA water-cooled 8-cylinder diesel engine, rating: 405 kW (550 hp) at 2100 rpm, torque 2350 Nm at 1100 rpm, fuel tank capacity 174 gallons.               |
| <b>Transmission:</b>         | ZF-Transmatik transmission with converter and 16-speed synchromesh gearbox (16 speeds forward and 2 reverse), flanged-on transfer case with differential lockout control.    |
| <b>Axles:</b>                | Axles 2, 5 and 8 driven; 1, 2, 5 and 6 steering. Differential lockout control: axles 2, 5 and 6 with transverse lockout control, 5th axle with longitudinal lockout control. |
| <b>Suspension:</b>           | Hydropneumatic suspension on all axles, all axles hydraulically lockable.  |
| <b>Wheels and tires:</b>     | 12 disk-type wheels 11.0 - 25/1,7 fitted with 18.00 R 25 tires.  |
| <b>Steering:</b>             | Dual-circuit semi-link mechanics, steering with hydraulic booster.   |
| <b>Brakes:</b>               | to EC directives.  |
| <b>Electrical equipment:</b> | 24 V system.   |
| <b>Driver's cab:</b>         | Rubber mounted all steel low-line cab, driver and passenger seats, full instrumentation and carrier controls.  |

## Superstructure

|                                     |   |
|-------------------------------------|---|
| <b>Engine:</b>                      | Daimler-Benz OM 366 LA water-cooled 6-cylinder diesel engine, rating: 143 kW (194 hp) at 2200 rpm, torque 646 Nm at 1400 rpm, fuel tank capacity 74 gallons.  |
| <b>Hydraulic system:</b>            | Two variable displacement axial-piston pumps with automatic power control and one fixed-displacement pump to provide three hydraulic working circuits and three simultaneous working movements, one fixed-displacement pump for the low pressure servo control.   |
| <b>Hoist:</b>                       | Variable-displacement axial-piston hydraulic motor, hoist drum with integral planetary gear reducer and brake.  |
| <b>Slew unit:</b>                   | Axial-piston hydraulic motor with planetary gear reducer, foot-pedal operated brake and spring-applied holding brake.   |
| <b>Boom elevation:</b>              | One differential cylinder with pilot-controlled lowering brake valve.   |
| <b>Control:</b>                     | Electric pilot control by two 4-way solenoid-actuated hand levers.  |
| <b>Crane cab:</b>                   | Spacious all-steel comfortable cab with sliding door and large hinged window, roof window of armored glass, full instrumentation and crane controls, comfortable operator's seat with ergonomic armrest mounted joystick controls, working light. Self-contained and engine-dependent hot water heater with argine preheating and 7-day programmable timer, thermostat-controlled, intermittent control windshield wiper and washer.  |
| <b>Outrigger loading indicator:</b> | Indication of outrigger loading in the upper cabin.   |
| <b>Main boom:</b>                   | Boom base and four telescopic sections, fabricated from fine grain structural steel, hydraulically telescoping to full boom length. Buckling-resistant Demag ovaloid design with diagonal self-centering slider shoes, boom head incl. parts to fit the optional jibs and fold-away extension, boom sections pinned hydraulically.  |
| <b>Counterweight:</b>               | 116,000 lb, in sections of 12,800 lb and 7,300 lb and 4 x 24,300 lb.  |
| <b>Safety devices:</b>              | Electronic safe load indicator with easy-to-read graphic display and sealed touch-type keyboard, and digital read-out for hook load, nominal load, radius, boom length and angle. Analog display to indicate capacity utilization and monitoring code to assist in trouble shooting. Integrated read-out for boom telescoping, display for duty charts and theoretical outrigger loading. In addition, the following safety devices have been installed: limit switches on hoist and lowering motions, pressure relief and safety holding valves, hoist rotation indicator and windmeter. |

## Optional equipment

|   |   |
|---|---|
| <b>Drive:</b>                                       | 12 x 6, 3rd axle driven in addition.  |
| <b>Carrier engine:</b>                              | Cummins N14, 6 cylinder diesel engine, rating: 500-hp at 1800 rpm; torque 1750 ft-lb at 1200 rpm; fuel tank capacity 174 gallons.   |
| <b>Superstructure engine:</b>                       | Cummins 6BTA, 6-cylinder diesel engine, rating: 200-hp at 2200 rpm; torque 593 ft-lb at 1500 rpm; fuel tank capacity 74 gallons.  |
| <b>Tires:</b>                                       | 20.5 R 25 tires.  |
| <b>Electric retarder:</b>                           | As optional retarder.   |
| <b>Night heater:</b>                                | Self-contained hot water heater for carrier cab.  |
| <b>Bunk bed:</b>                                    | Carrier cab with bunk bed.  |
| <b>Independent rear axle steering (crab steer):</b> | The rear axles can be steered independent of the front axles. 3rd and 4th axles are raised hydraulically.   |
| <b>Superlift attachment:</b>                        | This attachment is used to increase the crane's load moment. It consists of the boom suspension system and a 106,000 lb additional counterweight. The boom suspension provides for an automatic rope length adjustment for boom telescoping and is lowered to the main boom when not needed or for road transport. The rear suspension consists of bars, which fold automatically into transport position when lowered to the boom. |
| <b>Main boom extension:</b>                         | 35.1 ft, side folding lattice structure 0° and 20° offset.  |
| <b>Luffing fly jib:</b>                             | 65.6 - 213.2 ft. with luffing mast and 9.8 ft adapter, pendant bars, electrical equipment and safety devices (the 2nd hoist drum is required when using the luffing fly jib).   |
| <b>Fixed fly jib:</b>                               | 65.6 - 134.5 ft. consisting of components taken from the luffing jib. Offset with 65.6 - 134.5 ft jib: 9° and 20°.  |
| <b>Additional counterweight:</b>                    | 106,000 lb, comprising of four sections, installed by the crane itself.   |
| <b>Hoist II:</b>                                    | Avoids re-reaving of hoist line when using the optional fly jibs. It is indispensable for fly jib luffing. Powered by variable displacement axial piston motor, hoist drum with integral planetary gear reducer and brake not ropes.  |
| <b>Heavy-lift attachment I:</b>                     | Additional sheaves on main boom head.   |
| <b>Heavy-lift attachment II:</b>                    | Central jack leg.   |