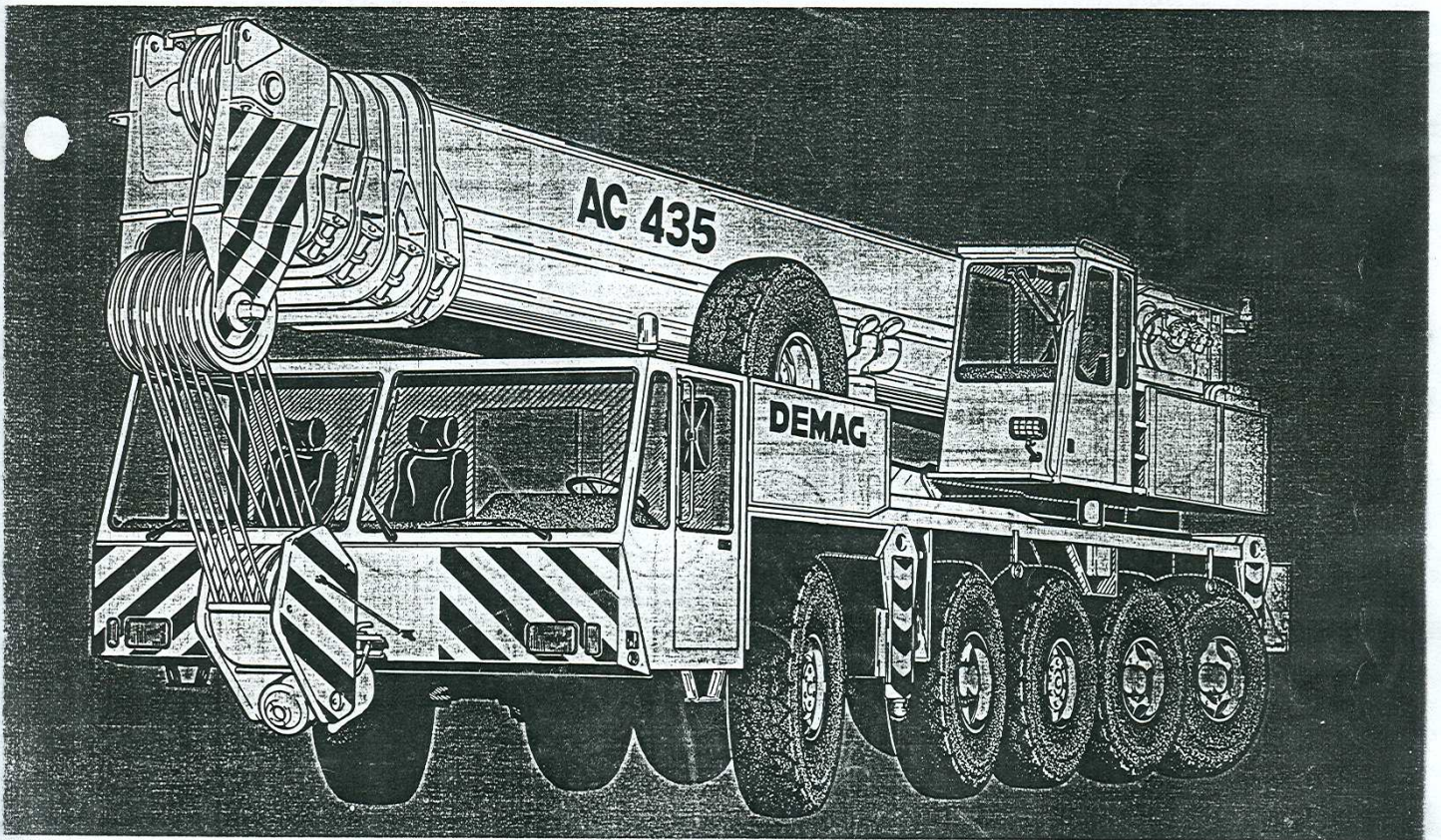


**MANNESMANN
DEMAG**

180 ton Telescopic Crane

Demag AC 435



Notes to lifting capacity

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

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

Crane operation is permissible up to a

wind speed of 32 ft/s

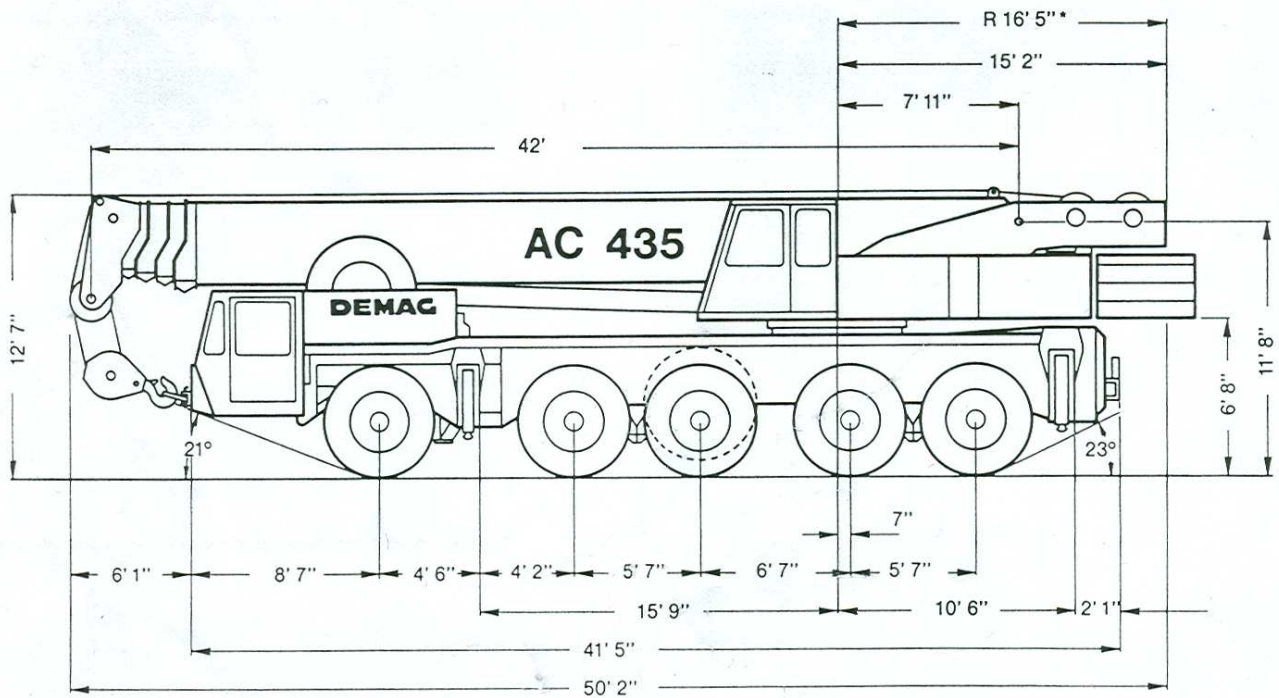
Consult operation manual for further details on wind speed.

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

Crane operation subject to computer charts, only!

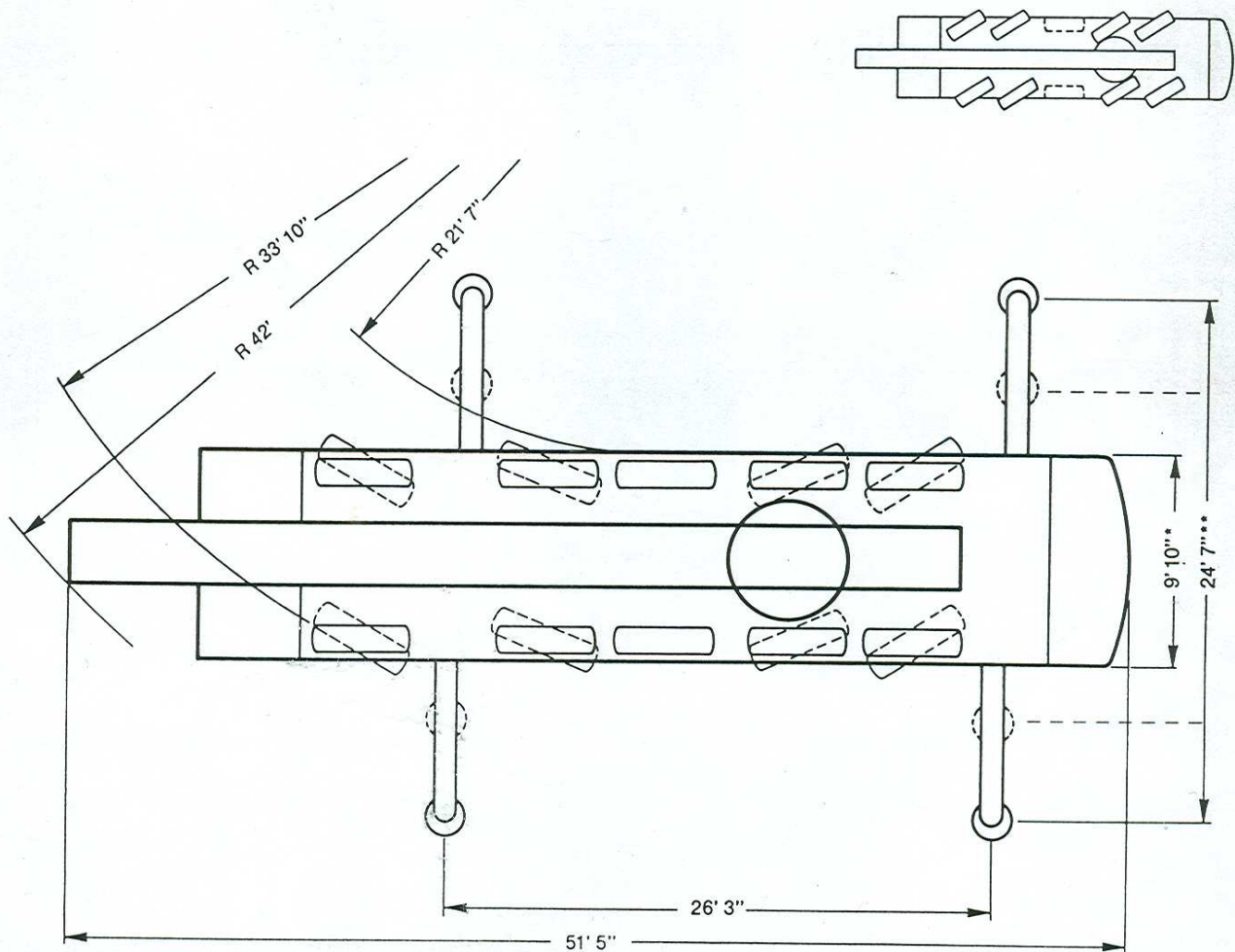
For crane operation consult operation manual first!

Dimensions



* Width with more than 59,000 lb of counterweight: 16' 5"; tail swing: 16' 11"

Dimensions



- * Width with more than 59,000 lb of counterweight: 16' 5"; tail swing: 16' 11"
- ** Duties for outrigger base 16' upon request

Specifications

Working speeds (infinitely variable)

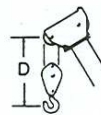
| Units | Normal speed | High speed | Single line pull | Length of hoist rope |
|-------------------|-----------------------|------------|------------------|----------------------|
| Hoist I | 197 ft/min | 394 ft/min | 16,100 lb | 984 ft |
| Hoist II | 197 ft/min | 394 ft/min | 16,100 lb | 853 ft |
| Slewing | max. 2 rpm | | | |
| Telescoping speed | 42 ft – 164 ft: 110 s | | | |
| Boom elevation | -2° – +83°: 60 s | | | |

Carrier performance

| | |
|------------------------------|-----------|
| Travel speeds | |
| Reverse | 0.. 3 mph |
| Forward | 0..43 mph |
| Gradeability in travel order | max. 60% |
| Ground clearance | 1' 3" |

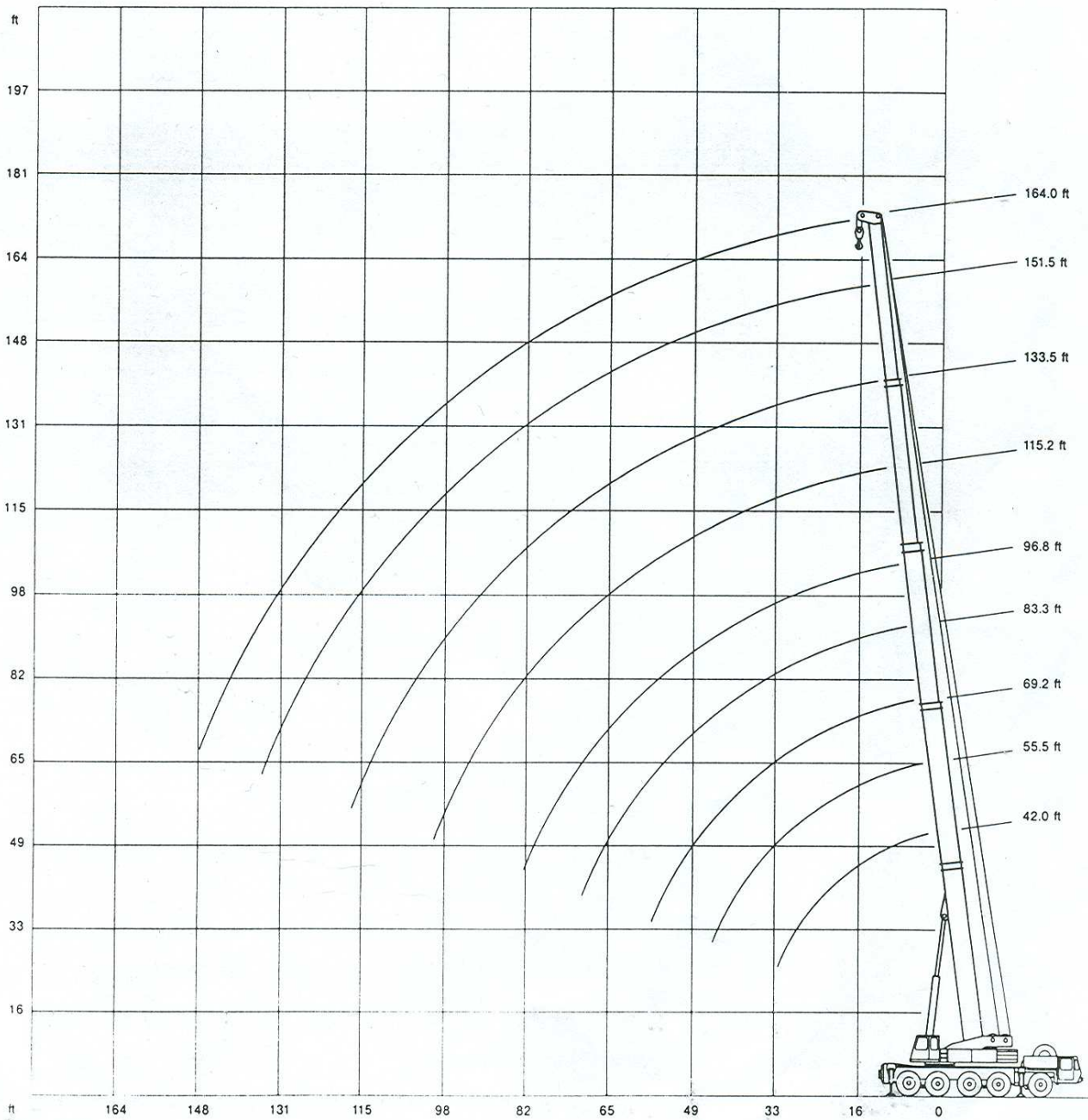
Hook block/Single line hook

| Type | Capacity | Number of sheaves | Number of lines | Weight | "D" |
|-------|------------|-------------------|-----------------|----------|------|
| 160*) | 360,000 lb | 11 | 22 | 4,400 lb | 8 ft |
| 80 | 194,000 lb | 5 | 11 | 2,680 lb | 8 ft |
| 63 | 123,000 lb | 3 | 7 | 2,320 lb | 8 ft |
| 25 | 53,000 lb | 1 | 3 | 1,670 lb | 8 ft |
| 8 | 17,600 lb | Single line hook | | 815 lb | 6 ft |

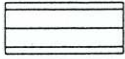



*) heavy-duty attachment is required, without heavy-duty attachment: capacity 220,000 lb (14 lines)

Working range main boom



Lifting capacities main boom in 1,000 lb

97,000 lb   360° 85%

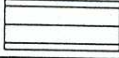

| Radius ft | Main boom | | | | | | | | |
|--------------|---|----------|----------|----------|----------|----------|----------|----------|----------|
| | 42.0 ft | 55.5 ft* | 69.2 ft* | 83.3 ft* | 96.8 ft* | 115.2 ft | 133.5 ft | 151.5 ft | 164.0 ft |
| 10.0 | 360.0 ¹⁾ / 327.0 ²⁾ | 198.0 | - | - | - | - | - | - | - |
| 11.0 | 308.0 ²⁾ | 198.0 | 198.0 | - | - | - | - | - | - |
| 13.0 | 277.0 | 198.0 | 198.0 | 165.0 | 132.0 | - | - | - | - |
| 15.0 | 251.0 | 198.0 | 198.0 | 164.5 | 132.0 | - | - | - | - |
| 16.0 | 243.0 | 198.0 | 198.0 | 161.0 | 132.0 | 83.5 | - | - | - |
| 19.0 | 215.0 | 198.0 | 194.5 | 149.5 | 132.0 | 83.5 | 79.0 | - | - |
| 23.0 | 180.5 | 178.0 | 175.0 | 134.5 | 123.5 | 83.5 | 79.0 | 61.5 | - |
| 26.0 | 159.5 | 156.5 | 155.0 | 124.5 | 116.5 | 83.5 | 78.0 | 61.5 | 46.2 |
| 29.0 | 141.0 | 139.5 | 137.5 | 116.0 | 109.5 | 83.5 | 75.5 | 61.5 | 46.2 |
| 33.0 | - | 120.5 | 118.5 | 105.5 | 100.5 | 83.5 | 71.5 | 61.0 | 46.2 |
| 39.0 | - | 98.0 | 96.5 | 91.5 | 88.0 | 75.5 | 66.5 | 57.5 | 46.2 |
| 46.0 | - | - | 75.0 | 77.0 | 75.5 | 67.0 | 60.5 | 53.3 | 46.2 |
| 52.0 | - | - | 61.5 | 63.0 | 62.5 | 60.5 | 55.7 | 49.2 | 44.2 |
| 59.0 | - | - | - | 51.2 | 50.8 | 54.5 | 50.5 | 44.3 | 41.4 |
| 65.0 | - | - | - | 43.5 | 42.9 | 48.4 | 45.8 | 40.7 | 38.6 |
| 72.0 | - | - | - | - | 35.8 | 41.4 | 41.5 | 36.9 | 35.5 |
| 79.0 | - | - | - | - | 29.9 | 35.5 | 35.7 | 33.6 | 32.2 |
| 85.0 | - | - | - | - | - | 31.3 | 31.5 | 30.7 | 29.4 |
| 92.0 | - | - | - | - | - | 27.2 | 27.4 | 27.4 | 26.8 |
| 98.0 | - | - | - | - | - | 24.4 | 24.6 | 24.4 | 24.2 |
| 105.0 | - | - | - | - | - | - | 21.3 | 21.3 | 20.9 |
| 111.0 | - | - | - | - | - | - | 19.1 | 18.9 | 18.7 |
| 118.0 | - | - | - | - | - | - | - | 16.7 | 16.1 |
| 124.0 | - | - | - | - | - | - | - | 14.9 | 14.3 |
| 131.0 | - | - | - | - | - | - | - | 13.0 | 12.4 |
| 138.0 | - | - | - | - | - | - | - | - | 10.9 |
| 144.0 | - | - | - | - | - | - | - | - | 9.5 |


| Boom extension sequence | % | | | | | | | | |
|-------------------------|---|----|----|----|----|----|----|----|-----|
| Tele 1 | 0 | 45 | 90 | 68 | 90 | 60 | 75 | 90 | 100 |
| Tele 2 | 0 | 0 | 0 | 68 | 90 | 60 | 75 | 90 | 100 |
| Tele 3 | 0 | 0 | 0 | 0 | 0 | 60 | 75 | 90 | 100 |
| Tele 4 | 0 | 0 | 0 | 0 | 0 | 60 | 75 | 90 | 100 |

*) Tele 1 pinned
 1) static test load only
 2) only over rear!

Duties above 220,000 lb with heavy-duty attachment only.

Lifting capacities main boom in 1,000 lb

59,500 lb   360° 85%

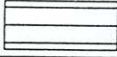

| Radius ft | Main boom | | | | | | | | | | | |  85% | | |
|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|------|------|
| | 42.0 ft | 55.5 ft* | 69.2 ft* | 83.3 ft* | 96.8 ft* | 115.2 ft | 133.5 ft | 151.5 ft | 164.0 ft | 42.0 ft | 69.2 ft | 1,000 lb | | | |
| 10.0 | 316.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11.0 | 299.0 | 198.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 13.0 | 268.0 | 198.0 | 198.0 | 165.0 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | - | - |
| 15.0 | 244.0 | 198.0 | 198.0 | 164.5 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | 43.0 | 39.7 |
| 16.0 | 233.0 | 198.0 | 198.0 | 161.0 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | - | - | - | - | 40.4 | 37.1 |
| 19.0 | 200.0 | 191.5 | 190.5 | 149.5 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | 79.0 | 41.8 | - | - | 34.0 | 30.5 |
| 23.0 | 164.5 | 161.5 | 160.0 | 134.5 | 77.0 | 123.5 | 76.5 | 83.5 | 64.5 | 79.0 | 41.8 | 61.5 | - | 27.2 | 23.7 |
| 26.0 | 143.0 | 140.0 | 138.0 | 124.5 | 77.0 | 116.5 | 73.0 | 83.5 | 61.5 | 78.0 | 41.8 | 61.5 | 46.2 | 23.2 | 19.9 |
| 29.0 | <u>125.5</u> | 122.5 | 120.0 | 116.0 | 77.0 | 109.5 | 69.0 | 83.5 | 58.3 | 75.5 | 41.8 | 61.5 | 46.2 | 19.9 | 16.6 |
| 33.0 | - | 98.5 | 96.0 | 98.0 | 72.5 | 97.5 | 64.5 | 83.5 | 54.0 | 71.5 | 41.7 | 61.0 | 46.2 | - | 12.8 |
| 39.0 | - | <u>73.5</u> | 71.5 | 73.5 | 65.5 | 72.5 | 57.3 | 75.5 | 47.9 | 66.5 | 37.3 | 57.5 | 46.2 | - | 8.8 |
| 46.0 | - | - | <u>53.2</u> | 54.7 | 55.4 | 54.3 | 50.6 | 60.5 | 41.3 | 60.5 | 32.5 | 53.3 | 46.2 | - | 5.0 |
| 52.0 | - | - | 42.7 | <u>44.2</u> | <u>48.0</u> | <u>43.6</u> | 45.8 | 49.8 | 36.5 | 50.2 | 28.9 | 49.2 | 44.2 | - | 2.6 |
| 59.0 | - | - | - | 34.6 | 41.0 | 34.2 | 39.7 | <u>40.2</u> | 32.0 | 40.4 | 25.6 | 40.4 | 40.1 | - | - |
| 65.0 | - | - | - | 28.2 | 35.8 | 27.7 | <u>35.2</u> | 33.9 | 28.7 | <u>34.3</u> | 23.5 | 34.3 | 34.1 | - | - |
| 72.0 | - | - | - | - | - | 21.7 | 30.5 | 28.1 | 26.2 | 28.3 | 21.2 | <u>28.3</u> | 28.1 | - | - |
| 79.0 | - | - | - | - | - | 17.0 | 26.0 | 23.2 | 23.5 | 23.4 | 19.3 | 23.4 | 23.2 | - | - |
| 85.0 | - | - | - | - | - | - | - | 19.7 | <u>21.9</u> | 20.0 | 18.1 | 20.0 | <u>19.7</u> | - | - |
| 92.0 | - | - | - | - | - | - | - | 16.7 | 19.7 | 16.9 | 16.9 | 16.9 | 16.4 | - | - |
| 98.0 | - | - | - | - | - | - | - | 14.2 | 17.5 | 14.2 | <u>15.7</u> | 14.2 | 14.0 | - | - |
| 105.0 | - | - | - | - | - | - | - | - | - | 11.9 | 14.5 | 11.9 | 11.6 | - | - |
| 111.0 | - | - | - | - | - | - | - | - | - | 10.0 | 13.5 | 10.0 | 9.8 | - | - |
| 118.0 | - | - | - | - | - | - | - | - | - | - | - | 8.1 | 7.9 | - | - |
| 124.0 | - | - | - | - | - | - | - | - | - | - | - | 6.7 | 6.5 | - | - |
| 131.0 | - | - | - | - | - | - | - | - | - | - | - | 5.5 | 4.9 | - | - |
| 138.0 | - | - | - | - | - | - | - | - | - | - | - | - | 3.7 | - | - |
| 144.0 | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | - | - |


| Boom extension sequence | | | | | | | | | | | | | | | % | |
|-------------------------|---|----|----|----|----|----|----|----|----|----|-----|----|-----|---|----|--|
| Tele 1 | 0 | 45 | 90 | 68 | 0 | 90 | 0 | 60 | 0 | 75 | 0 | 90 | 100 | 0 | 90 | |
| Tele 2 | 0 | 0 | 0 | 68 | 45 | 90 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |
| Tele 3 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |
| Tele 4 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |

*) Tele 1 pinned

Duties above 220,000 lb with heavy-duty attachment only.

Lifting capacities main boom in 1,000 lb

42,000 lb   **360°** **85%**

| Radius ft | Main boom | | | | | | | | | |  over rear | | |
|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|-------------|-------------|
| | 42.0 ft | 55.5 ft* | 69.2 ft* | 83.3 ft* | 96.8 ft* | 115.2 ft | 133.5 ft | 151.5 ft | 164.0 ft | 42.0 ft | 69.2 ft | | |
| | 1,000 lb | | | | | | | | | | | | |
| 10.0 | 310.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - |
| 11.0 | 292.0 | 198.0 | 198.0 | - | - | - | - | - | - | - | - | - | - |
| 13.0 | 264.0 | 198.0 | 198.0 | 165.0 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - |
| 15.0 | 237.0 | 198.0 | 198.0 | 164.5 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - |
| 16.0 | 224.0 | 198.0 | 198.0 | 161.0 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | - | - | - | - |
| 19.0 | 190.0 | 183.0 | 182.0 | 149.5 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | 79.0 | 41.8 | - | - |
| 23.0 | 152.0 | 148.5 | 146.5 | 134.5 | 77.0 | 123.5 | 76.5 | 83.5 | 64.5 | 79.0 | 41.8 | 59.5 | - |
| 26.0 | 127.0 | 122.5 | 119.5 | 121.0 | 77.0 | 116.5 | 73.0 | 83.5 | 61.5 | 78.0 | 41.8 | 59.5 | 44.0 |
| 29.0 | <u>104.5</u> | 100.0 | 97.0 | 99.5 | 77.0 | 98.0 | 69.0 | 83.5 | 58.3 | 75.5 | 41.8 | 59.5 | 44.0 |
| 33.0 | - | <u>78.5</u> | 76.0 | 78.0 | 72.5 | 77.0 | 64.5 | 83.0 | 54.0 | 71.5 | 41.7 | 58.7 | 44.0 |
| 39.0 | - | 58.1 | <u>55.7</u> | <u>57.7</u> | <u>65.0</u> | <u>56.8</u> | 57.3 | 64.0 | 47.9 | 63.5 | 37.3 | 55.1 | 44.0 |
| 46.0 | - | - | 39.5 | 41.3 | 49.5 | 40.9 | <u>50.1</u> | <u>47.5</u> | 41.3 | 47.9 | 32.5 | 47.9 | 43.8 |
| 52.0 | - | - | 30.5 | 32.2 | 40.2 | 31.4 | 40.6 | 38.2 | 36.3 | <u>38.4</u> | 28.9 | 38.4 | 37.9 |
| 59.0 | - | - | - | 23.6 | 32.0 | 23.2 | 32.4 | 30.0 | 31.7 | 30.2 | 25.6 | <u>30.2</u> | <u>30.0</u> |
| 65.0 | - | - | - | 18.7 | 26.7 | 17.9 | 27.2 | 24.7 | <u>27.7</u> | 25.0 | 23.5 | 25.0 | 24.7 |
| 72.0 | - | - | - | - | - | 13.1 | 22.6 | 19.5 | 23.0 | 19.7 | 20.7 | 19.7 | 19.5 |
| 79.0 | - | - | - | - | - | 9.3 | 18.5 | 15.5 | 19.0 | 15.7 | <u>19.0</u> | 15.7 | 15.5 |
| 85.0 | - | - | - | - | - | - | - | 12.7 | 16.0 | 12.9 | 16.4 | 12.9 | 12.7 |
| 92.0 | - | - | - | - | - | - | - | 10.1 | 13.4 | 10.3 | 13.8 | 10.3 | 9.8 |
| 98.0 | - | - | - | - | - | - | - | 8.2 | 11.5 | 8.3 | 11.8 | 8.3 | 8.0 |
| 105.0 | - | - | - | - | - | - | - | - | - | 6.3 | 9.9 | 6.1 | 5.9 |
| 111.0 | - | - | - | - | - | - | - | - | - | 4.7 | 8.3 | 4.7 | 4.5 |
| 118.0 | - | - | - | - | - | - | - | - | - | - | - | 3.3 | 2.8 |

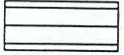

Boom extension sequence


| | | | | | | | | | | | | | | % | |
|--------|---|----|----|----|----|----|----|----|----|----|-----|----|-----|---|----|
| Tele 1 | 0 | 45 | 90 | 68 | 0 | 90 | 0 | 60 | 0 | 75 | 0 | 90 | 100 | 0 | 90 |
| Tele 2 | 0 | 0 | 0 | 68 | 45 | 90 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |
| Tele 3 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |
| Tele 4 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |

*) Tele 1 pinned

Duties above 220,000 lb with heavy-duty attachment only.

Lifting capacities main boom in 1,000 lb

24,200 lb   360° 85%

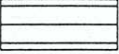

| Radius ft | Main boom | | | | | | | | | | |  over rear | | | |
|--------------|-----------|----------|----------|----------|----------|-------|----------|------|----------|------|----------|---|----------|---------|---------|
| | 42.0 ft | 55.5 ft* | 69.2 ft* | 83.3 ft* | 96.8 ft* | | 115.2 ft | | 133.5 ft | | 151.5 ft | | 164.0 ft | 42.0 ft | 69.2 ft |
| | 1,000 lb | | | | | | | | | | | | | | |
| 10.0 | 303.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11.0 | 287.0 | 198.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 13.0 | 257.0 | 198.0 | 198.0 | 165.0 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | - | - |
| 15.0 | 230.0 | 198.0 | 198.0 | 164.5 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | 33.1 | 29.4 |
| 16.0 | 216.0 | 198.0 | 198.0 | 161.0 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | - | - | - | - | 30.9 | 27.3 |
| 19.0 | 180.5 | 175.0 | 173.5 | 149.5 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | 77.0 | 41.8 | - | - | 25.2 | 21.7 |
| 23.0 | 138.0 | 133.0 | 129.5 | 132.5 | 77.0 | 123.0 | 76.5 | 83.5 | 64.5 | 77.0 | 41.8 | 57.3 | - | 19.3 | 15.8 |
| 26.0 | 108.5 | 103.5 | 100.5 | 103.5 | 77.0 | 102.0 | 73.0 | 83.5 | 61.5 | 76.0 | 41.8 | 57.3 | 42.9 | 16.1 | 12.4 |
| 29.0 | 88.0 | 84.0 | 81.0 | 83.5 | 77.0 | 82.5 | 69.0 | 83.5 | 58.3 | 74.0 | 41.8 | 55.2 | 42.9 | 13.2 | 9.7 |
| 33.0 | - | 64.5 | 62.0 | 64.0 | 72.0 | 63.5 | 64.5 | 72.0 | 54.0 | 70.5 | 41.7 | 52.3 | 42.9 | - | 6.7 |
| 39.0 | - | 46.1 | 43.4 | 45.4 | 54.4 | 45.0 | 54.8 | 52.5 | 47.9 | 52.9 | 37.3 | 49.9 | 42.9 | - | 3.2 |
| 46.0 | - | - | 29.8 | 31.8 | 40.0 | 31.2 | 40.6 | 38.0 | 41.3 | 38.4 | 32.5 | 38.4 | 38.0 | - | - |
| 52.0 | - | - | 21.8 | 23.6 | 31.9 | 22.7 | 32.6 | 29.9 | 33.2 | 30.2 | 28.9 | 30.2 | 29.9 | - | - |
| 59.0 | - | - | - | 16.3 | 24.9 | 15.7 | 25.6 | 22.7 | 26.2 | 23.2 | 25.6 | 23.2 | 22.9 | - | - |
| 65.0 | - | - | - | 12.1 | 20.3 | 9.4 | 21.1 | 18.1 | 21.6 | 18.3 | 22.1 | 18.3 | 18.1 | - | - |
| 72.0 | - | - | - | - | - | 7.1 | 16.8 | 13.7 | 17.3 | 13.9 | 17.7 | 13.9 | 13.7 | - | - |
| 79.0 | - | - | - | - | - | 4.3 | 13.3 | 10.4 | 13.7 | 10.6 | 14.2 | 10.6 | 10.2 | - | - |
| 85.0 | - | - | - | - | - | - | - | 8.0 | 11.5 | 8.2 | 12.0 | 8.2 | 8.0 | - | - |
| 92.0 | - | - | - | - | - | - | - | 5.9 | 9.2 | 6.1 | 9.6 | 5.9 | 5.6 | - | - |
| 98.0 | - | - | - | - | - | - | - | 4.3 | 7.6 | 4.3 | 7.8 | 4.3 | 4.0 | - | - |
| 105.0 | - | - | - | - | - | - | - | - | - | 2.6 | 6.1 | 2.6 | 2.2 | - | - |
| 111.0 | - | - | - | - | - | - | - | - | - | - | 4.9 | - | - | - | - |

| Boom extension sequence | | | | | | | | | | | | | | | % |
|-------------------------|---|----|----|----|----|----|----|----|----|----|-----|----|-----|---|----|
| Tele 1 | 0 | 45 | 90 | 68 | 0 | 90 | 0 | 60 | 0 | 75 | 0 | 90 | 100 | 0 | 90 |
| Tele 2 | 0 | 0 | 0 | 68 | 45 | 90 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |
| Tele 3 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |
| Tele 4 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 |

*) Tele 1 pinned

Duties above 220,000 lb with heavy-duty attachment only.

Lifting capacities main boom in 1,000 lb

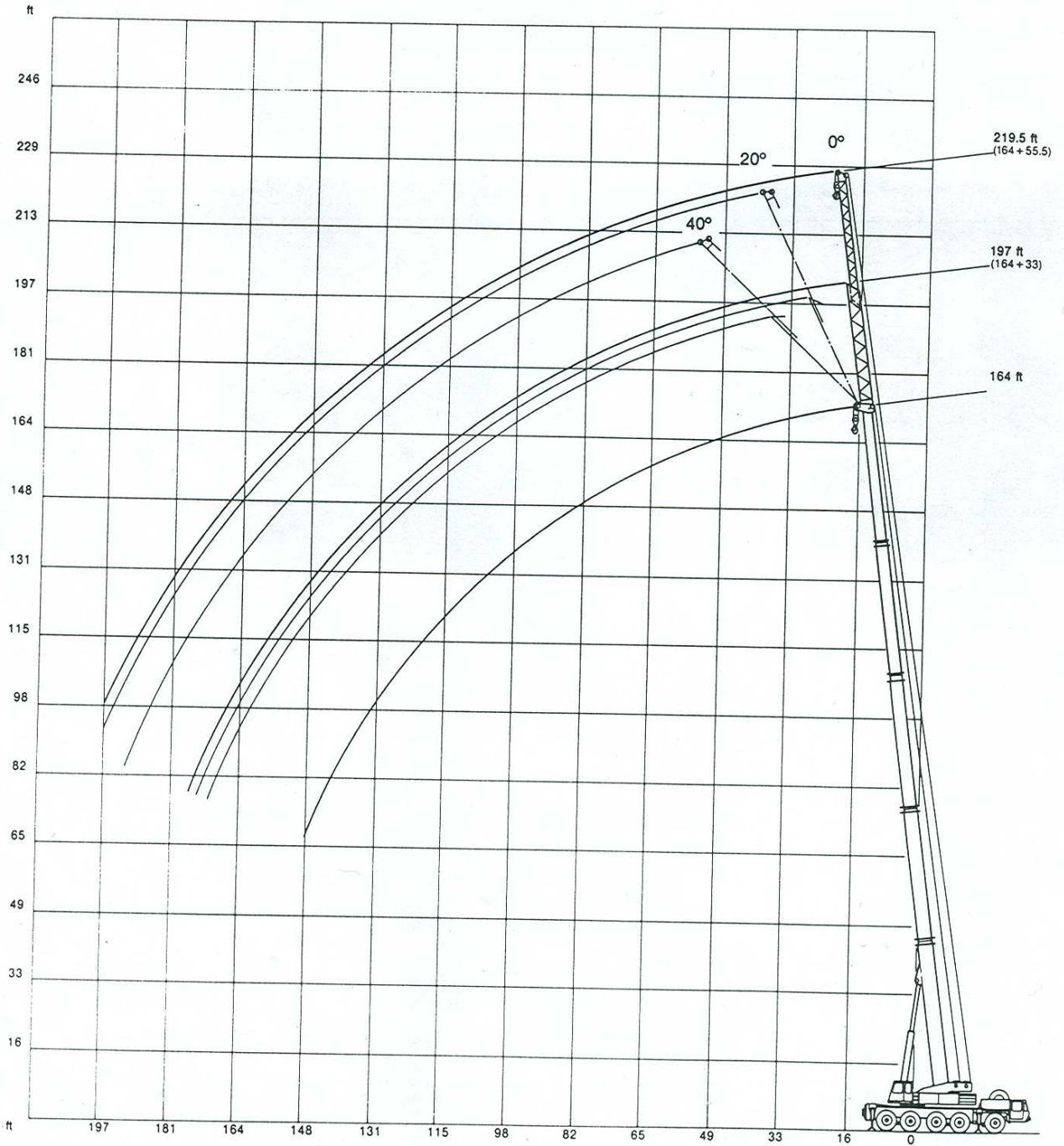
| 0 lb |  | | | | | | | | | | |  | | 360° | 85% |
|--------------|---|--------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|---|-------------|----------|------|
| Radius ft | Main boom | | | | | | | | | | | Over rear | | | |
| | 42.0 ft | 55.5 ft* | 69.2 ft* | 83.3 ft* | 96.8 ft* | 115.2 ft | 133.5 ft | 151.5 ft | 164.0 ft | 42.0 ft | 69.2 ft | 1,000 lb | | 1,000 lb | |
| 10.0 | 297.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11.0 | 279.0 | 198.0 | 198.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 13.0 | 246.0 | 198.0 | 198.0 | 165.0 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | - | - |
| 15.0 | 216.0 | 197.5 | 197.0 | 164.5 | 77.0 | 132.0 | 77.0 | - | - | - | - | - | - | 24.8 | 21.1 |
| 16.0 | 201.0 | 193.5 | 192.0 | 161.0 | 77.0 | 132.0 | 77.0 | 83.5 | 66.0 | - | - | - | - | 22.8 | 19.1 |
| 19.0 | <u>143.5</u> | <u>138.5</u> | <u>135.0</u> | <u>131.5</u> | 77.0 | <u>125.0</u> | 77.0 | 83.5 | 66.0 | 74.5 | 41.8 | - | - | 18.0 | 14.1 |
| 23.0 | 91.5 | 86.5 | 84.0 | 86.5 | 77.0 | 85.5 | 76.5 | 83.5 | 64.5 | 74.5 | 41.8 | 52.9 | - | 12.9 | 9.2 |
| 26.0 | 70.0 | 65.0 | 62.5 | 65.0 | <u>74.5</u> | 64.5 | 73.0 | <u>72.5</u> | 61.5 | <u>72.5</u> | 41.8 | 52.9 | 41.8 | 10.1 | 6.4 |
| 29.0 | 55.2 | 50.7 | 48.0 | 50.3 | 60.0 | 49.8 | <u>60.5</u> | 58.2 | 58.3 | 58.6 | 41.8 | <u>52.9</u> | 41.8 | 7.8 | 3.9 |
| 33.0 | - | 37.5 | 34.9 | 37.0 | 45.8 | 36.6 | 46.7 | 43.9 | <u>47.6</u> | 44.3 | 41.6 | 41.9 | <u>38.3</u> | - | - |
| 39.0 | - | 25.2 | 23.2 | 25.0 | 32.9 | 24.1 | 33.4 | 31.0 | 34.1 | 31.4 | <u>34.6</u> | 31.3 | 30.8 | - | - |
| 46.0 | - | - | 14.2 | 15.8 | 23.3 | 15.3 | 23.7 | 21.3 | 24.6 | 21.7 | 25.0 | 21.7 | 21.5 | - | - |
| 52.0 | - | - | 9.0 | 10.7 | 17.8 | 10.3 | 18.3 | 16.0 | 19.1 | 16.3 | 19.6 | 16.3 | 16.1 | - | - |
| 59.0 | - | - | - | 5.9 | 13.2 | 5.1 | 13.7 | 11.5 | 14.3 | 11.7 | 15.0 | 11.7 | 11.2 | - | - |
| 65.0 | - | - | - | 2.7 | 10.4 | - | 10.8 | 8.6 | 11.5 | 8.8 | 11.9 | 8.8 | 8.2 | - | - |
| 72.0 | - | - | - | - | - | - | 8.2 | 5.3 | 8.6 | 5.5 | 8.8 | 5.5 | 5.1 | - | - |
| 79.0 | - | - | - | - | - | - | 5.8 | 3.0 | 6.3 | 3.2 | 6.7 | 3.2 | 2.7 | - | - |
| 85.0 | - | - | - | - | - | - | - | - | 4.7 | - | 4.9 | - | - | - | - |
| 92.0 | - | - | - | - | - | - | - | - | 2.8 | - | 3.2 | - | - | - | - |

| Boom extension sequence | | | | | | | | | | | | | | | % | |
|-------------------------|---|----|----|----|----|----|----|----|----|----|-----|----|-----|---|----|--|
| Tele 1 | 0 | 45 | 90 | 68 | 0 | 90 | 0 | 60 | 0 | 75 | 0 | 90 | 100 | 0 | 90 | |
| Tele 2 | 0 | 0 | 0 | 68 | 45 | 90 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |
| Tele 3 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |
| Tele 4 | 0 | 0 | 0 | 0 | 45 | 0 | 60 | 60 | 80 | 75 | 100 | 90 | 100 | 0 | 0 | |

*) Tele 1 pinned

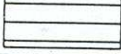

Duties above 220,000 lb with heavy-duty attachment only.

Working range main boom extension

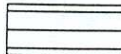



Lifting capacities main boom extension in 1,000 lb


Main boom: 164 ft

97,000 lb   **360° 85%**

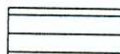

| Radius ft | Lattice-extension | | | | | |
|--------------|-------------------|------|------|----------|------|-----|
| | 33.0 ft | | | 55.5 ft | | |
| | 0° | 20° | 40° | 0° | 20° | 40° |
| | 1,000 lb | | | 1,000 lb | | |
| 39.0 | 24.9 | - | - | - | - | - |
| 46.0 | 24.4 | 19.8 | - | 18.7 | - | - |
| 52.0 | 24.0 | 18.4 | - | 18.5 | - | - |
| 59.0 | 23.1 | 15.6 | 16.0 | 17.4 | 11.9 | - |
| 65.0 | 22.3 | 15.4 | 15.4 | 16.8 | 11.5 | - |
| 72.0 | 21.4 | 14.3 | 15.2 | 16.1 | 11.0 | 8.6 |
| 79.0 | 20.4 | 13.2 | 13.8 | 15.1 | 11.7 | 8.1 |
| 85.0 | 19.2 | 12.5 | 12.8 | 14.1 | 10.1 | 7.9 |
| 92.0 | 18.2 | 11.8 | 11.6 | 13.6 | 9.6 | 7.7 |
| 98.0 | 17.2 | 11.2 | 10.8 | 13.0 | 9.2 | 7.5 |
| 105.0 | 16.3 | 10.8 | 10.1 | 12.5 | 8.8 | 7.2 |
| 111.0 | 15.5 | 9.9 | 9.7 | 11.7 | 8.6 | 7.0 |
| 118.0 | 14.5 | 9.4 | 9.0 | 11.2 | 7.9 | 6.8 |
| 124.0 | 13.7 | 9.0 | 8.6 | 10.8 | 7.5 | 6.4 |
| 131.0 | 12.3 | 8.1 | 7.9 | 10.1 | 7.2 | 6.1 |
| 138.0 | 10.7 | 7.7 | 7.0 | 9.4 | 6.8 | 5.9 |
| 144.0 | 9.3 | 7.2 | 6.2 | 9.0 | 6.2 | 5.7 |
| 151.0 | 7.9 | 6.8 | 5.5 | 8.5 | 5.7 | 5.2 |
| 157.0 | 6.9 | 6.2 | - | 7.9 | 5.3 | 5.0 |
| 164.0 | 5.7 | 5.7 | - | 7.4 | 4.4 | 4.4 |
| 170.0 | 4.9 | 4.9 | - | 6.4 | 4.0 | 4.0 |
| 177.0 | 3.7 | 3.9 | - | 5.5 | 3.5 | - |
| 184.0 | - | - | - | 4.8 | - | - |
| 190.0 | - | - | - | 4.0 | - | - |

59,500 lb   **360° 85%**

| Radius ft | Lattice-extension | | | | | |
|--------------|-------------------|------|------|----------|------|-----|
| | 33.0 ft | | | 55.5 ft | | |
| | 0° | 20° | 40° | 0° | 20° | 40° |
| | 1,000 lb | | | 1,000 lb | | |
| 39.0 | 24.9 | - | - | - | - | - |
| 46.0 | 24.4 | 19.8 | - | 18.7 | - | - |
| 52.0 | 24.0 | 18.4 | - | 18.5 | - | - |
| 59.0 | 23.1 | 15.6 | 16.0 | 17.4 | 11.9 | - |
| 65.0 | 22.3 | 15.4 | 15.4 | 16.8 | 11.5 | - |
| 72.0 | 21.4 | 14.3 | 15.2 | 16.1 | 11.0 | 8.6 |
| 79.0 | 20.4 | 13.2 | 13.8 | 15.1 | 10.7 | 8.1 |
| 85.0 | 19.2 | 12.5 | 12.8 | 14.5 | 10.1 | 7.9 |
| 92.0 | 16.9 | 11.8 | 11.6 | 13.6 | 9.6 | 7.7 |
| 98.0 | 14.5 | 11.2 | 10.8 | 13.0 | 9.2 | 7.5 |
| 105.0 | 11.6 | 10.8 | 10.1 | 12.5 | 8.8 | 7.2 |
| 111.0 | 9.8 | 9.9 | 9.7 | 11.7 | 8.6 | 7.0 |
| 118.0 | 7.9 | 9.2 | 9.0 | 9.9 | 7.9 | 6.8 |
| 124.0 | 6.3 | 7.6 | 8.0 | 8.3 | 7.5 | 6.4 |
| 131.0 | 5.1 | 6.0 | 6.4 | 6.8 | 7.2 | 6.1 |
| 138.0 | 3.7 | 4.3 | 5.0 | 5.4 | 6.8 | 5.9 |
| 144.0 | 2.4 | 3.3 | 3.8 | 4.4 | 6.0 | 5.7 |
| 151.0 | - | 2.1 | 2.4 | 3.5 | 4.8 | 5.2 |
| 157.0 | - | - | - | 2.5 | 3.8 | 4.2 |
| 164.0 | - | - | - | - | 2.6 | 3.3 |
| 170.0 | - | - | - | - | - | 2.3 |

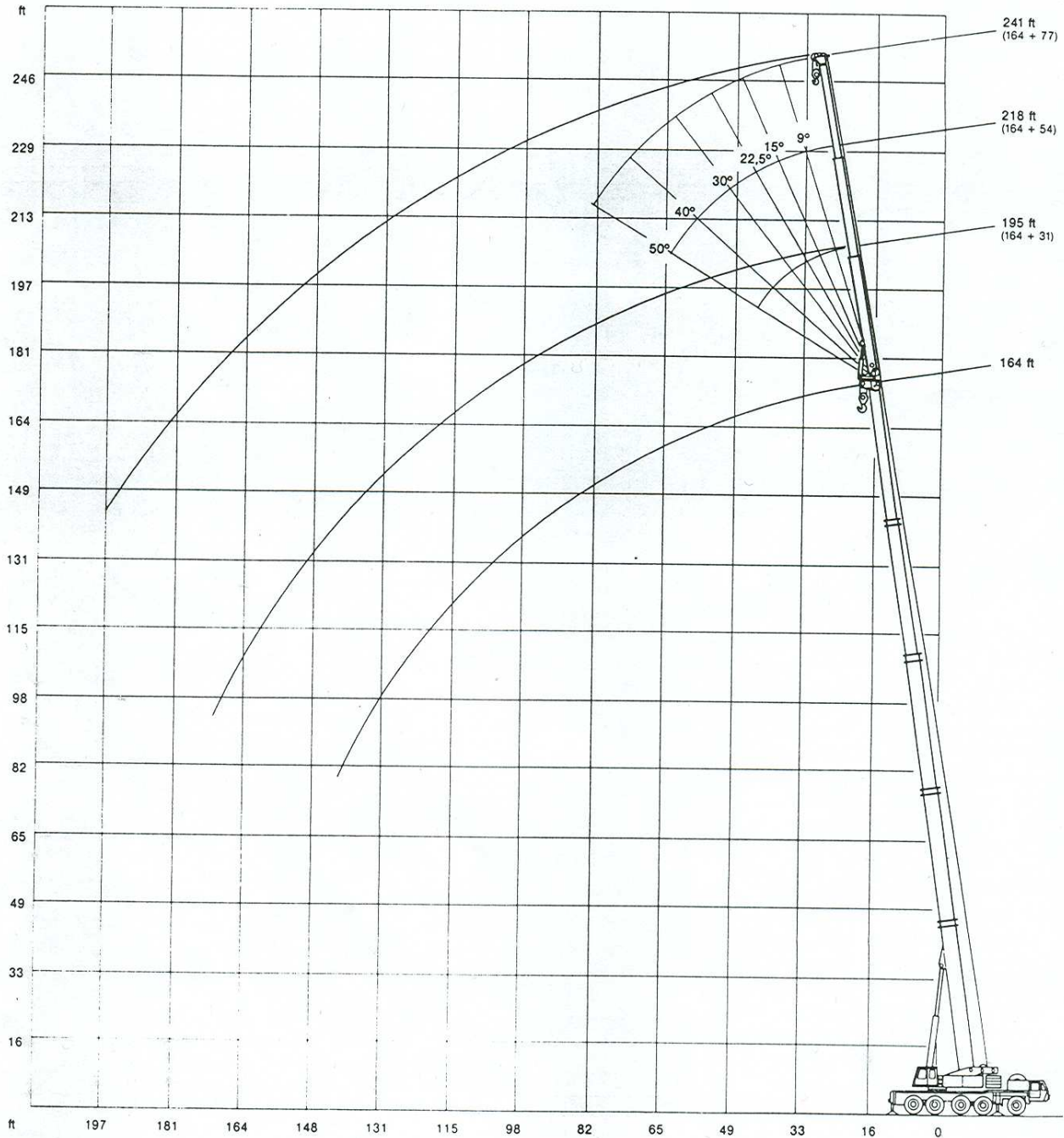
42,000 lb   **360° 85%**

| Radius ft | Lattice-extension | | | | | |
|--------------|-------------------|------|------|----------|------|-----|
| | 33.0 ft | | | 55.5 ft | | |
| | 0° | 20° | 40° | 0° | 20° | 40° |
| | 1,000 lb | | | 1,000 lb | | |
| 39.0 | 24.9 | - | - | - | - | - |
| 46.0 | 24.4 | 19.8 | - | 18.7 | - | - |
| 52.0 | 24.0 | 18.4 | - | 18.5 | - | - |
| 59.0 | 23.1 | 15.6 | 16.0 | 17.4 | 11.9 | - |
| 65.0 | 22.3 | 15.4 | 15.4 | 16.8 | 11.5 | - |
| 72.0 | 21.4 | 14.3 | 15.2 | 16.1 | 11.0 | 8.6 |
| 79.0 | 17.2 | 13.2 | 13.8 | 15.1 | 10.7 | 8.1 |
| 85.0 | 14.4 | 12.5 | 12.8 | 14.5 | 10.1 | 7.9 |
| 92.0 | 11.4 | 11.8 | 11.6 | 12.9 | 9.6 | 7.7 |
| 98.0 | 9.4 | 10.8 | 10.8 | 10.9 | 9.2 | 7.5 |
| 105.0 | 7.0 | 8.8 | 9.6 | 9.0 | 8.8 | 7.2 |
| 111.0 | 5.6 | 7.0 | 7.6 | 7.4 | 8.6 | 7.0 |
| 118.0 | 3.7 | 5.1 | 5.7 | 5.7 | 7.9 | 6.8 |
| 124.0 | 2.5 | 3.6 | 4.3 | 4.5 | 6.3 | 6.4 |
| 131.0 | - | 2.2 | 2.7 | 3.3 | 5.1 | 6.1 |
| 138.0 | - | - | - | 2.1 | 3.7 | 4.8 |
| 144.0 | - | - | - | - | 2.4 | 3.6 |
| 151.0 | - | - | - | - | - | 2.4 |

24,200 t   **360° 85%**

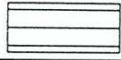

| Radius ft | Lattice-extension | | | | | |
|--------------|-------------------|------|------|----------|------|-----|
| | 33.0 ft | | | 55.5 ft | | |
| | 0° | 20° | 40° | 0° | 20° | 40° |
| | 1,000 lb | | | 1,000 lb | | |
| 39.0 | 24.9 | - | - | - | - | - |
| 46.0 | 24.4 | 19.8 | - | 18.7 | - | - |
| 52.0 | 24.0 | 18.4 | - | 18.5 | - | - |
| 59.0 | 22.5 | 15.6 | 16.0 | 17.4 | 11.9 | - |
| 65.0 | 17.8 | 15.4 | 15.4 | 16.8 | 11.5 | - |
| 72.0 | 13.7 | 14.3 | 15.2 | 14.8 | 11.0 | 8.6 |
| 79.0 | 10.6 | 12.8 | 13.8 | 11.5 | 10.7 | 8.1 |
| 85.0 | 8.0 | 10.2 | 11.9 | 9.3 | 10.1 | 7.9 |
| 92.0 | 5.9 | 7.6 | 9.4 | 7.2 | 9.6 | 7.7 |
| 98.0 | 4.0 | 5.8 | 7.2 | 5.6 | 8.2 | 7.5 |
| 105.0 | 2.4 | 3.9 | 5.0 | 3.9 | 6.3 | 7.2 |
| 111.0 | - | 2.5 | 3.4 | 2.5 | 5.1 | 7.0 |
| 118.0 | - | - | - | - | 3.5 | 5.5 |
| 124.0 | - | - | - | - | 2.5 | 4.1 |
| 131.0 | - | - | - | - | - | 2.6 |

Working range hydraulic fly jib

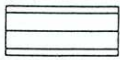



Lifting capacities hydraulic fly jib in 1,000 lb

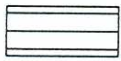

Main boom: 164 ft

97,000 lb   **360° 75%**

| Radius ft | Fly jib 31.0 ft | | | | | | |
|--------------|--------------------|------|-------|-------|-------|-------|-------|
| | 2.5° | 9.0° | 15.0° | 22.5° | 30.0° | 40.0° | 50.0° |
| | 1,000 lb | | | | | | |
| 46 | 16.5 | 16.5 | - | - | - | - | - |
| 52 | 15.1 | 15.1 | 15.0 | 15.0 | 15.0 | - | - |
| 59 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 65 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| 72 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 79 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 85 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 92 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 98 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 |
| 105 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| 111 | 7.1 | 7.1 | 7.1 | 6.9 | 6.9 | 6.9 | 6.9 |
| 118 | 6.6 | 6.6 | 6.6 | 6.1 | 6.1 | 6.1 | - |
| 124 | 6.0 | 6.0 | 6.0 | 5.7 | 5.7 | 5.7 | - |
| 131 | 5.3 | 5.5 | 5.5 | 5.3 | 5.3 | 5.3 | - |
| 138 | 4.8 | 5.0 | 5.0 | 4.6 | 4.6 | - | - |
| 144 | 4.4 | 4.6 | 4.6 | 4.4 | 4.4 | - | - |
| 151 | 3.5 | 3.7 | 3.9 | 4.1 | 4.1 | - | - |
| 157 | 2.5 | 2.7 | 2.9 | 2.9 | - | - | - |
| 164 | - | - | - | - | - | - | - |
| 170 | - | - | - | - | - | - | - |
| 177 | - | - | - | - | - | - | - |

97,000 lb   **360° 75%**

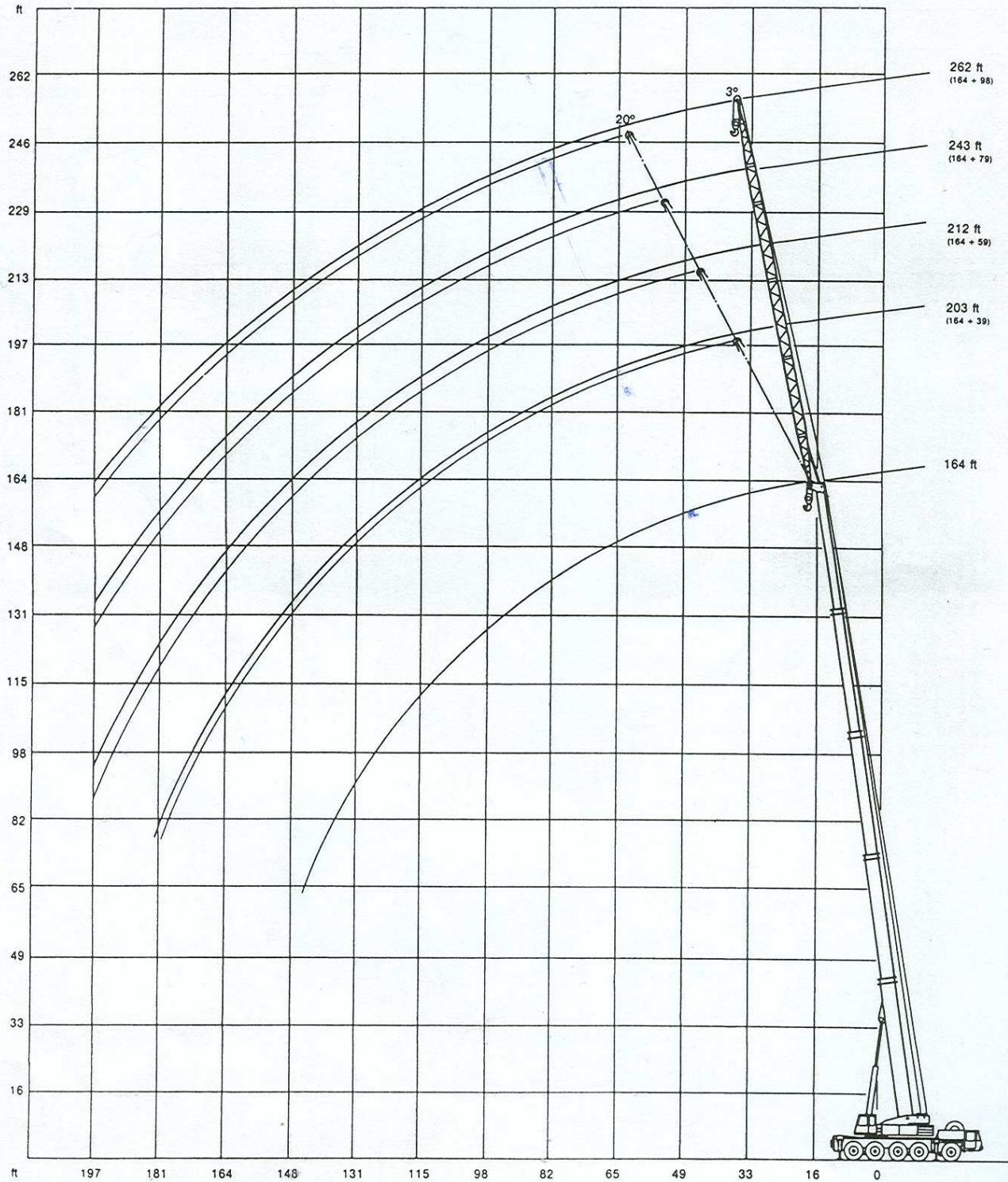
| Radius ft | Fly jib 54.0 ft | | | | | | |
|--------------|--------------------|------|-------|-------|-------|-------|-------|
| | 2.5° | 9.0° | 15.0° | 22.5° | 30.0° | 40.0° | 50.0° |
| | 1,000 lb | | | | | | |
| 46 | 13.2 | - | - | - | - | - | - |
| 52 | 12.2 | 12.1 | - | - | - | - | - |
| 59 | 11.2 | 11.2 | 11.2 | - | - | - | - |
| 65 | 10.6 | 10.6 | 10.6 | 10.6 | - | - | - |
| 72 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.0 | - |
| 79 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 8.5 | 7.4 |
| 85 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.1 | 7.2 |
| 92 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 7.7 | 7.2 |
| 98 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.3 | 7.0 |
| 105 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.8 | 6.8 |
| 111 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |
| 118 | 6.1 | 6.1 | 6.1 | 5.9 | 5.9 | 5.9 | 5.9 |
| 124 | 5.7 | 5.7 | 5.7 | 5.5 | 5.5 | 5.5 | 5.5 |
| 131 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 138 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | - |
| 144 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | - |
| 151 | 3.7 | 3.7 | 3.7 | 3.9 | 3.9 | 3.9 | - |
| 157 | 3.5 | 3.5 | 3.5 | 3.7 | 3.7 | - | - |
| 164 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | - | - |
| 170 | 2.7 | 2.9 | 2.9 | 2.9 | 2.9 | - | - |
| 177 | - | 2.0 | 2.2 | 2.4 | - | - | - |

97,000 lb   **360° 75%**

| Radius ft | Fly jib 77.0 ft | | | | | | |
|--------------|--------------------|------|-------|-------|-------|-------|-------|
| | 2.5° | 9.0° | 15.0° | 22.5° | 30.0° | 40.0° | 50.0° |
| | 1,000 lb | | | | | | |
| 59 | 9.0 | 9.0 | - | - | - | - | - |
| 65 | 8.2 | 8.2 | 8.1 | - | - | - | - |
| 72 | 7.7 | 7.7 | 7.7 | - | - | - | - |
| 79 | 7.4 | 7.4 | 7.4 | 6.1 | - | - | - |
| 85 | 7.2 | 7.2 | 7.2 | 5.9 | 5.9 | - | - |
| 92 | 7.0 | 7.0 | 7.0 | 5.5 | 5.5 | 4.8 | - |
| 98 | 6.6 | 6.6 | 6.6 | 5.3 | 5.3 | 4.6 | 4.1 |
| 105 | 6.3 | 6.1 | 6.1 | 5.0 | 5.0 | 4.6 | 4.1 |
| 111 | 5.9 | 5.7 | 5.7 | 4.8 | 4.8 | 4.4 | 4.1 |
| 118 | 5.7 | 5.2 | 5.2 | 4.6 | 4.6 | 4.4 | 4.1 |
| 124 | 5.3 | 5.0 | 5.0 | 4.4 | 4.4 | 4.2 | 3.9 |
| 131 | 4.8 | 4.6 | 4.6 | 4.1 | 4.1 | 3.9 | 3.9 |
| 138 | 4.3 | 4.3 | 4.3 | 3.9 | 3.9 | 3.7 | 3.7 |
| 144 | 3.9 | 3.9 | 3.9 | 3.7 | 3.7 | 3.5 | 3.5 |
| 151 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.0 | - |
| 157 | 3.5 | 3.5 | 3.5 | 2.8 | 2.8 | 2.6 | - |
| 164 | 3.0 | 3.0 | 3.0 | 2.6 | 2.6 | 2.6 | - |
| 170 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.4 | - |
| 177 | 2.6 | 2.6 | 2.6 | 2.4 | 2.4 | 2.2 | - |
| 184 | 2.6 | 2.4 | 2.4 | 2.1 | 2.1 | - | - |
| 190 | 2.2 | 2.2 | 2.2 | 1.9 | 1.9 | - | - |
| 197 | - | - | - | 1.9 | 1.9 | - | - |

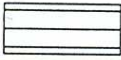

Duties for other counterweight combinations and main boom lengths on request

Working range fixed fly jib

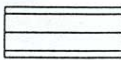



Lifting capacities fixed fly jib in 1,000 lb

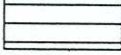

Main boom: 164 ft

97,000 lb   **360° 85%**

| Radius ft | Fixed fly jib | | | |
|--------------|---------------|---|---------|---|
| | 39.0 ft | | 59.0 ft | |
| | 3° | | 3° | |
| | 1,000 lb | | | |
| 33 | 24.2 | - | - | - |
| 39 | 23.8 | - | 18.7 | - |
| 46 | 22.9 | - | 17.8 | - |
| 52 | 21.9 | - | 17.2 | - |
| 59 | 20.9 | - | 16.7 | - |
| 65 | 19.9 | - | 15.9 | - |
| 72 | 18.9 | - | 15.2 | - |
| 79 | 17.6 | - | 14.5 | - |
| 85 | 16.7 | - | 13.7 | - |
| 92 | 15.6 | - | 12.9 | - |
| 98 | 14.8 | - | 12.1 | - |
| 105 | 13.8 | - | 11.4 | - |
| 111 | 13.2 | - | 10.8 | - |
| 118 | 12.3 | - | 10.1 | - |
| 124 | 11.7 | - | 9.5 | - |
| 131 | 11.0 | - | 9.0 | - |
| 138 | 10.3 | - | 8.1 | - |
| 144 | 9.7 | - | 7.7 | - |
| 151 | 9.2 | - | 7.2 | - |
| 157 | 8.0 | - | 7.0 | - |
| 164 | 7.0 | - | 6.3 | - |
| 170 | 6.0 | - | 6.1 | - |
| 177 | 4.8 | - | 5.3 | - |
| 184 | - | - | 4.3 | - |
| 190 | - | - | 3.7 | - |

59,500 lb   **360° 85%**

| Radius ft | Fixed fly jib | | | | | | | |
|--------------|---------------|------|---------|------|---------|-----|---------|-----|
| | 39.0 ft | | 59.0 ft | | 79.0 ft | | 98.0 ft | |
| | 3° | 20° | 3° | 20° | 3° | 20° | 3° | 20° |
| | 1,000 lb | | | | | | | |
| 33 | 24.2 | - | - | - | - | - | - | - |
| 39 | 23.8 | - | 18.7 | - | - | - | - | - |
| 46 | 22.9 | - | 17.8 | - | 13.8 | - | - | - |
| 52 | 21.9 | 17.4 | 17.2 | - | 13.2 | - | 9.9 | - |
| 59 | 20.9 | 16.5 | 16.7 | 12.5 | 12.7 | - | 9.7 | - |
| 65 | 19.9 | 15.7 | 15.9 | 12.1 | 11.9 | - | 9.3 | - |
| 72 | 18.9 | 15.0 | 15.2 | 11.6 | 11.4 | 8.8 | 8.8 | - |
| 79 | 17.6 | 14.2 | 14.5 | 11.2 | 10.9 | 8.3 | 8.1 | - |
| 85 | 16.7 | 13.2 | 13.7 | 10.8 | 10.1 | 8.1 | 7.9 | 6.1 |
| 92 | 15.6 | 12.1 | 12.9 | 10.1 | 9.6 | 7.7 | 7.4 | 5.9 |
| 98 | 14.8 | 11.5 | 12.1 | 9.7 | 9.2 | 7.5 | 7.0 | 5.7 |
| 105 | 13.2 | 10.8 | 11.4 | 9.2 | 8.8 | 7.2 | 6.8 | 5.5 |
| 111 | 11.4 | 9.9 | 10.8 | 8.6 | 8.2 | 6.8 | 6.4 | 5.1 |
| 118 | 9.2 | 9.2 | 9.9 | 8.1 | 7.7 | 6.6 | 5.9 | 4.8 |
| 124 | 7.8 | 8.4 | 8.3 | 7.7 | 7.3 | 6.2 | 5.5 | 4.6 |
| 131 | 6.2 | 7.3 | 7.0 | 7.2 | 6.8 | 5.7 | 5.0 | 4.4 |
| 138 | 4.8 | 5.9 | 5.2 | 6.7 | 6.1 | 5.2 | 4.8 | 4.1 |
| 144 | 3.8 | 4.7 | 4.4 | 5.5 | 4.9 | 4.8 | 4.4 | 3.9 |
| 151 | 2.6 | 3.2 | 3.2 | 4.3 | 3.9 | 4.6 | 4.1 | 3.3 |
| 157 | - | 2.4 | 2.4 | 3.3 | 2.9 | 4.2 | 3.3 | 3.1 |
| 164 | - | - | - | 2.4 | - | 3.3 | 2.4 | 2.8 |
| 170 | - | - | - | - | - | 2.7 | - | 2.4 |
| 177 | - | - | - | - | - | - | - | 2.2 |

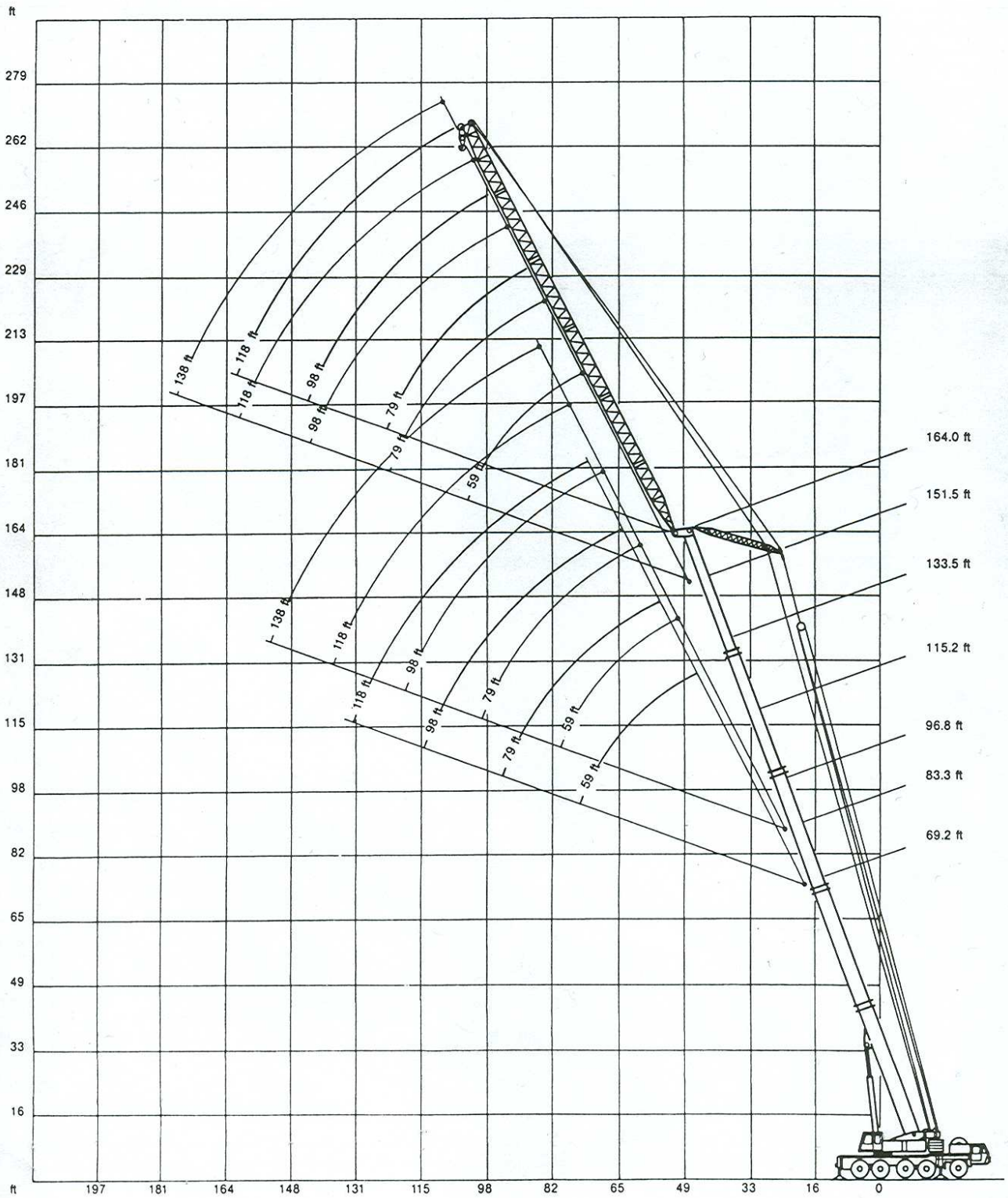
42,000 lb   **360° 85%**

| Radius ft | Fixed fly jib | | | | | | | |
|--------------|---------------|------|---------|------|---------|-----|---------|-----|
| | 39.0 ft | | 59.0 ft | | 79.0 ft | | 98.0 ft | |
| | 3° | 20° | 3° | 20° | 3° | 20° | 3° | 20° |
| | 1,000 lb | | | | | | | |
| 33 | 24.2 | - | - | - | - | - | - | - |
| 39 | 23.8 | - | 18.7 | - | - | - | - | - |
| 46 | 22.9 | - | 17.8 | - | 13.8 | - | - | - |
| 52 | 21.9 | 17.4 | 17.2 | - | 13.2 | - | 9.9 | - |
| 59 | 20.9 | 16.5 | 16.7 | 12.5 | 12.7 | - | 9.7 | - |
| 65 | 19.9 | 15.7 | 15.9 | 12.1 | 11.9 | - | 9.3 | - |
| 72 | 18.9 | 15.0 | 15.2 | 11.6 | 11.4 | 8.8 | 8.8 | - |
| 79 | 17.5 | 14.2 | 14.5 | 11.2 | 10.9 | 8.3 | 8.1 | - |
| 85 | 14.6 | 13.2 | 13.7 | 10.8 | 10.1 | 8.1 | 7.9 | 6.1 |
| 92 | 11.8 | 12.1 | 11.8 | 10.1 | 9.6 | 7.7 | 7.4 | 5.9 |
| 98 | 9.8 | 11.5 | 10.0 | 9.7 | 9.2 | 7.5 | 7.0 | 5.7 |
| 105 | 7.7 | 9.2 | 7.9 | 9.2 | 8.1 | 7.2 | 6.8 | 5.5 |
| 111 | 6.1 | 7.4 | 6.5 | 8.6 | 6.9 | 6.8 | 6.4 | 5.1 |
| 118 | 4.4 | 5.7 | 4.8 | 7.0 | 5.1 | 6.6 | 5.0 | 4.8 |
| 124 | 3.2 | 4.3 | 3.8 | 5.4 | 4.0 | 6.2 | 4.0 | 4.6 |
| 131 | - | 2.9 | 2.4 | 4.2 | 2.9 | 5.1 | 2.9 | 4.4 |
| 138 | - | - | - | 2.8 | - | 3.9 | - | 4.1 |
| 144 | - | - | - | - | - | 2.9 | - | 3.3 |
| 151 | - | - | - | - | - | - | - | 2.4 |

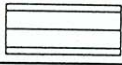
24,200 lb   **360° 85%**

| Radius ft | Fixed fly jib | | | | | | | |
|--------------|---------------|------|---------|------|---------|-----|---------|-----|
| | 39.0 ft | | 59.0 ft | | 79.0 ft | | 98.0 ft | |
| | 3° | 20° | 3° | 20° | 3° | 20° | 3° | 20° |
| | 1,000 lb | | | | | | | |
| 33 | 24.2 | - | - | - | - | - | - | - |
| 39 | 23.8 | - | 18.7 | - | - | - | - | - |
| 46 | 22.9 | - | 17.8 | - | 13.8 | - | - | - |
| 52 | 21.9 | 17.4 | 17.2 | - | 13.2 | - | 9.9 | - |
| 59 | 20.9 | 16.5 | 16.7 | 12.5 | 12.7 | - | 9.7 | - |
| 65 | 19.1 | 15.7 | 15.9 | 12.1 | 11.9 | - | 9.3 | - |
| 72 | 15.3 | 15.0 | 15.2 | 11.6 | 11.4 | 8.8 | 8.8 | - |
| 79 | 11.8 | 14.2 | 11.8 | 11.2 | 10.9 | 8.3 | 8.1 | - |
| 85 | 9.5 | 11.5 | 9.5 | 10.8 | 9.7 | 8.1 | 7.9 | 6.1 |
| 92 | 7.2 | 9.2 | 7.4 | 10.1 | 7.4 | 7.7 | 7.4 | 5.9 |
| 98 | 5.4 | 7.4 | 5.4 | 8.2 | 5.8 | 7.5 | 5.8 | 5.7 |
| 105 | 3.7 | 5.5 | 3.9 | 6.6 | 4.1 | 7.2 | 4.1 | 5.5 |
| 111 | 2.5 | 4.0 | 2.7 | 4.7 | 2.7 | 5.8 | 2.7 | 5.1 |
| 118 | - | 2.4 | - | 3.3 | - | 4.2 | - | 4.8 |
| 124 | - | - | - | 2.3 | - | 3.0 | - | 3.8 |
| 131 | - | - | - | - | - | - | - | 2.4 |

Working range luffing fly jib, main boom 70°



Lifting capacities luffing fly jib, main boom 70°, in 1,000 lb

59,500 lb  360° 75%

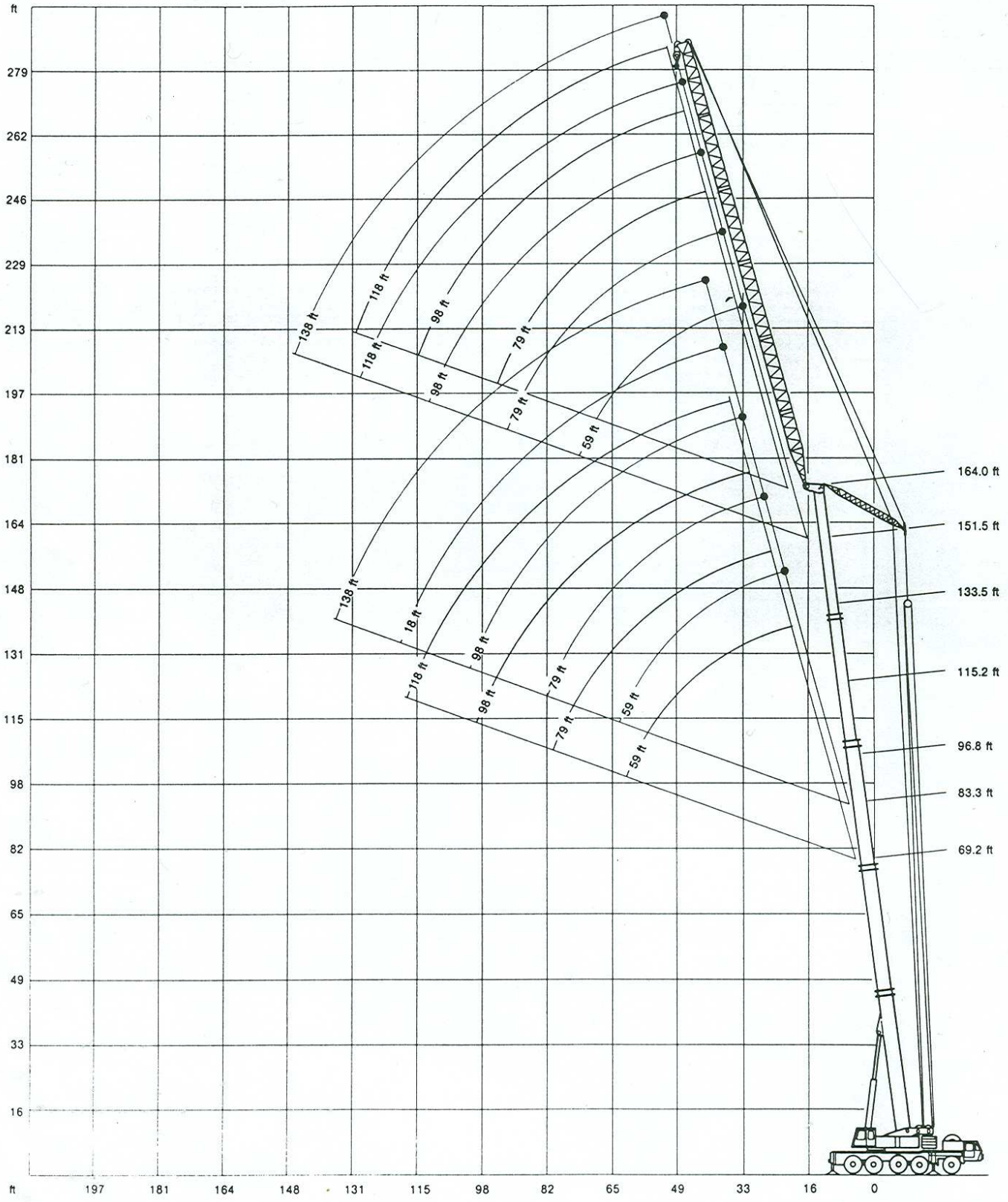
| Boom | Radius | Luffing fly jib | | | | |
|----------|--------|-----------------|---------|---------|----------|----------|
| | | 59.0 ft | 79.0 ft | 98.0 ft | 118.0 ft | 138.0 ft |
| | | 1,000 lb | | | | |
| 69.2 ft* | 52 | 46.5 | - | - | - | - |
| | 59 | 39.5 | - | - | - | - |
| | 65 | 35.0 | 34.5 | - | - | - |
| | 72 | 30.7 | 30.3 | 26.0 | - | - |
| | 79 | - | 27.0 | 24.1 | - | - |
| | 85 | - | 24.5 | 22.1 | 17.0 | - |
| | 92 | - | 22.2 | 20.2 | 15.8 | - |
| | 98 | - | - | 19.2 | 14.8 | - |
| | 105 | - | - | 18.2 | 13.6 | - |
| | 111 | - | - | 17.0 | 12.6 | - |
| | 118 | - | - | - | 12.3 | - |
| | 124 | - | - | - | 12.1 | - |
| 83.3 ft* | 59 | 38.1 | - | - | - | - |
| | 65 | 33.7 | 33.2 | - | - | - |
| | 72 | 29.6 | 29.2 | - | - | - |
| | 79 | 26.3 | 25.9 | 23.0 | - | - |
| | 85 | - | 23.4 | 21.4 | 17.0 | - |
| | 92 | - | 21.3 | 19.8 | 15.8 | - |
| | 98 | - | 19.7 | 18.3 | 14.8 | 10.4 |
| | 105 | - | - | 17.4 | 13.6 | 9.6 |
| | 111 | - | - | 16.2 | 12.6 | 9.0 |
| | 118 | - | - | - | 12.3 | 8.3 |
| | 124 | - | - | - | 12.1 | 7.7 |
| | 131 | - | - | - | 11.7 | 7.0 |
| 138 | - | - | - | - | 6.8 | |
| 144 | - | - | - | - | 6.4 | |
| 151 | - | - | - | - | 6.1 | |
| 96.8 ft* | 65 | 31.8 | - | - | - | - |
| | 72 | 27.8 | 27.4 | - | - | - |
| | 79 | 24.8 | 24.3 | - | - | - |
| | 85 | - | 22.1 | 19.9 | - | - |
| | 92 | - | 20.0 | 18.4 | 14.0 | - |
| | 98 | - | 18.4 | 17.2 | 13.2 | - |
| | 105 | - | - | 16.3 | 12.7 | 9.4 |
| | 111 | - | - | 15.1 | 12.1 | 8.6 |
| | 118 | - | - | 13.9 | 11.6 | 8.1 |
| | 124 | - | - | - | 11.2 | 7.5 |
| | 131 | - | - | - | 10.8 | 6.8 |
| | 138 | - | - | - | 10.3 | 6.3 |
| 144 | - | - | - | - | 5.9 | |
| 151 | - | - | - | - | 5.7 | |
| 157 | - | - | - | - | 5.5 | |

*Tele 1 verbolzt · pinned · verrouillé

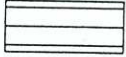

59,500 lb  360° 75%

| Boom | Radius | Luffing fly jib | | | | |
|----------|--------|-----------------|---------|---------|----------|----------|
| | | 59.0 ft | 79.0 ft | 98.0 ft | 118.0 ft | 138.0 ft |
| | | 1,000 lb | | | | |
| 115.2 ft | 72 | 28.3 | - | - | - | - |
| | 79 | 25.0 | - | - | - | - |
| | 85 | 22.8 | 22.3 | - | - | - |
| | 92 | - | 20.2 | 15.8 | - | - |
| | 98 | - | 18.6 | 15.0 | 11.9 | - |
| | 105 | - | 16.9 | 14.7 | 11.2 | - |
| | 111 | - | - | 14.3 | 10.8 | 7.7 |
| | 118 | - | - | 13.8 | 10.1 | 7.2 |
| | 124 | - | - | 13.2 | 9.7 | 6.8 |
| | 131 | - | - | - | 9.2 | 6.1 |
| | 138 | - | - | - | 9.0 | 5.5 |
| | 144 | - | - | - | 8.6 | 5.3 |
| 151 | - | - | - | - | 5.0 | |
| 157 | - | - | - | - | 4.8 | |
| 164 | - | - | - | - | 4.6 | |
| 133.5 ft | 79 | 22.0 | - | - | - | - |
| | 85 | 21.2 | 16.7 | - | - | - |
| | 92 | 19.3 | 16.0 | - | - | - |
| | 98 | - | 15.8 | 12.8 | - | - |
| | 105 | - | 15.6 | 12.5 | 9.0 | - |
| | 111 | - | 14.8 | 12.3 | 8.8 | - |
| | 118 | - | - | 12.1 | 8.6 | 5.0 |
| | 124 | - | - | 11.9 | 8.4 | 5.0 |
| | 131 | - | - | 11.4 | 7.9 | 4.8 |
| | 138 | - | - | - | 7.4 | 4.8 |
| | 144 | - | - | - | 7.2 | 4.6 |
| | 151 | - | - | - | 7.0 | 4.6 |
| 157 | - | - | - | - | 4.4 | |
| 164 | - | - | - | - | 4.1 | |
| 170 | - | - | - | - | 4.1 | |
| 151.5 ft | 85 | 13.2 | - | - | - | - |
| | 92 | 13.2 | - | - | - | - |
| | 98 | 13.2 | 12.7 | - | - | - |
| | 105 | - | 12.7 | 9.7 | - | - |
| | 111 | - | 12.7 | 9.7 | 4.8 | - |
| | 118 | - | 12.5 | 9.4 | 4.8 | - |
| | 124 | - | - | 9.4 | 4.8 | 2.2 |
| | 131 | - | - | 9.2 | 4.8 | 2.2 |
| | 138 | - | - | 9.0 | 4.8 | 2.2 |
| | 144 | - | - | - | 4.8 | 2.2 |
| | 151 | - | - | - | 4.8 | 2.2 |
| | 157 | - | - | - | 4.8 | 2.2 |
| 164 | - | - | - | - | 2.2 | |
| 170 | - | - | - | - | 2.2 | |
| 177 | - | - | - | - | 2.2 | |
| 164.0 ft | 98 | - | 9.2 | - | - | - |
| | 105 | - | 8.8 | 5.7 | - | - |
| | 111 | - | 8.6 | 5.7 | - | - |
| | 118 | - | 8.3 | 5.7 | 2.2 | - |
| | 124 | - | 8.3 | 5.7 | 2.2 | - |
| | 131 | - | - | 5.7 | 2.2 | - |
| | 138 | - | - | 5.7 | 2.2 | - |
| | 144 | - | - | 5.7 | 2.2 | - |
| | 151 | - | - | - | 2.2 | - |
| | 157 | - | - | - | 2.2 | - |

Working range luffing fly jib, main boom 83°

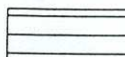



Lifting capacities luffing fly jib, main boom 83°, in 1,000 lb

59,500 lb   360° 75%

| Boom | Radius | Luffing fly jib | | | | |
|----------|--------|-----------------|---------|---------|----------|----------|
| | | 59.0 ft | 79.0 ft | 98.0 ft | 118.0 ft | 138.0 ft |
| | ft | 1,000 lb | | | | |
| 69.2 ft* | 26 | 68.0 | - | - | - | - |
| | 29 | 67.0 | - | - | - | - |
| | 33 | 65.5 | 52.7 | - | - | - |
| | 39 | 54.0 | 48.7 | 37.6 | - | - |
| | 46 | 44.0 | 45.1 | 35.2 | 24.9 | - |
| | 52 | 37.5 | 40.7 | 33.2 | 23.8 | - |
| | 59 | 27.8 | 34.8 | 30.4 | 22.4 | - |
| | 65 | - | 30.6 | 28.6 | 21.0 | - |
| | 72 | - | 25.7 | 26.0 | 19.6 | - |
| | 79 | - | - | 24.1 | 18.2 | - |
| | 85 | - | - | 22.1 | 17.2 | - |
| 83.3 ft* | 92 | - | - | 17.5 | 16.0 | - |
| | 98 | - | - | - | 15.0 | - |
| | 105 | - | - | - | 13.8 | - |
| | 111 | - | - | - | 12.6 | - |
| | 26 | 59.5 | - | - | - | - |
| | 29 | 59.5 | - | - | - | - |
| | 33 | 59.4 | 42.9 | - | - | - |
| | 39 | 56.4 | 41.9 | 32.0 | - | - |
| | 46 | 47.9 | 39.6 | 30.4 | 23.1 | - |
| | 52 | 40.5 | 38.0 | 29.2 | 22.1 | 13.2 |
| | 59 | 32.9 | 35.9 | 27.5 | 21.1 | 13.0 |
| 96.8 ft* | 65 | - | 32.5 | 26.1 | 20.3 | 12.6 |
| | 72 | - | 28.3 | 24.7 | 19.2 | 12.3 |
| | 79 | - | 21.3 | 23.0 | 18.0 | 11.8 |
| | 85 | - | - | 21.4 | 17.0 | 11.4 |
| | 92 | - | - | 19.0 | 15.8 | 10.7 |
| | 98 | - | - | 14.8 | 14.8 | 10.3 |
| | 105 | - | - | - | 13.6 | 9.6 |
| | 111 | - | - | - | 12.6 | 9.0 |
| | 118 | - | - | - | - | 8.3 |
| | 124 | - | - | - | - | 7.7 |
| | 131 | - | - | - | - | 7.0 |
| 96.8 ft* | 29 | 50.7 | - | - | - | - |
| | 33 | 50.7 | - | - | - | - |
| | 39 | 50.7 | 35.3 | - | - | - |
| | 46 | 48.8 | 34.1 | 26.4 | - | - |
| | 52 | 42.2 | 33.1 | 25.8 | 19.8 | - |
| | 59 | 35.1 | 31.5 | 24.9 | 19.6 | 11.0 |
| | 65 | - | 30.5 | 23.5 | 19.0 | 11.0 |
| | 72 | - | 29.1 | 22.0 | 18.1 | 11.0 |
| | 79 | - | 23.3 | 20.9 | 17.1 | 11.0 |
| | 85 | - | - | 19.8 | 16.3 | 11.0 |
| | 92 | - | - | 18.4 | 14.9 | 10.5 |
| 98 | - | - | 16.8 | 14.3 | 10.1 | |
| 105 | - | - | - | 13.2 | 9.4 | |
| 111 | - | - | - | 12.4 | 8.6 | |
| 118 | - | - | - | 11.4 | 8.1 | |
| 124 | - | - | - | - | 7.5 | |
| 131 | - | - | - | - | 6.8 | |

*Tele 1 verbolzt · pinned · verrouillé

59,500 lb   360° 75%

| Boom | Radius | Luffing fly jib | | | | |
|----------|--------|-----------------|---------|---------|----------|----------|
| | | 59.0 ft | 79.0 ft | 98.0 ft | 118.0 ft | 138.0 ft |
| | ft | 1,000 lb | | | | |
| 115.2 ft | 33 | 37.4 | - | - | - | - |
| | 39 | 36.6 | 27.6 | - | - | - |
| | 46 | 35.0 | 26.6 | 20.4 | - | - |
| | 52 | 30.9 | 26.0 | 19.8 | 16.1 | - |
| | 59 | 25.8 | 25.3 | 19.1 | 15.2 | 8.3 |
| | 65 | 20.4 | 24.7 | 18.5 | 14.6 | 8.3 |
| | 72 | - | 21.6 | 17.8 | 14.1 | 8.3 |
| | 79 | - | 18.1 | 17.1 | 13.4 | 8.3 |
| | 85 | - | - | 16.5 | 12.8 | 8.3 |
| | 92 | - | - | 15.8 | 12.3 | 8.3 |
| | 98 | - | - | 13.4 | 11.9 | 8.3 |
| 133.5 ft | 105 | - | - | - | 11.2 | 8.3 |
| | 111 | - | - | - | 10.8 | 7.7 |
| | 118 | - | - | - | 9.7 | 7.2 |
| | 124 | - | - | - | - | 6.8 |
| | 131 | - | - | - | - | 6.1 |
| | 138 | - | - | - | - | 5.4 |
| | 39 | 27.1 | 20.7 | - | - | - |
| | 46 | 25.7 | 20.0 | 16.0 | - | - |
| | 52 | 24.9 | 19.4 | 15.6 | 11.4 | - |
| | 59 | 24.0 | 18.7 | 14.9 | 11.0 | 5.5 |
| | 65 | 22.4 | 18.1 | 14.5 | 10.8 | 5.5 |
| 151.5 ft | 72 | - | 17.6 | 14.1 | 10.3 | 5.5 |
| | 79 | - | 17.1 | 13.8 | 10.1 | 5.5 |
| | 85 | - | 15.9 | 13.4 | 9.9 | 5.5 |
| | 92 | - | - | 13.0 | 9.6 | 5.5 |
| | 98 | - | - | 12.8 | 9.4 | 5.5 |
| | 105 | - | - | 11.4 | 9.0 | 5.5 |
| | 111 | - | - | - | 8.8 | 5.5 |
| | 118 | - | - | - | 8.6 | 5.5 |
| | 124 | - | - | - | - | 5.5 |
| | 131 | - | - | - | - | 5.5 |
| | 138 | - | - | - | - | 5.5 |
| 164.0 ft | 39 | 22.1 | - | - | - | - |
| | 46 | 20.9 | 15.8 | - | - | - |
| | 52 | 19.9 | 15.4 | 11.0 | - | - |
| | 59 | 19.1 | 15.2 | 11.0 | 5.5 | - |
| | 65 | 18.3 | 15.0 | 11.0 | 5.5 | 2.2 |
| | 72 | - | 14.5 | 11.0 | 5.5 | 2.2 |
| | 79 | - | 14.3 | 10.7 | 5.5 | 2.2 |
| | 85 | - | 14.1 | 10.5 | 5.5 | 2.2 |
| | 92 | - | - | 10.3 | 5.5 | 2.2 |
| | 98 | - | - | 9.9 | 5.5 | 2.2 |
| | 105 | - | - | 9.6 | 5.5 | 2.2 |
| 164.0 ft | 111 | - | - | - | 5.5 | 2.2 |
| | 118 | - | - | - | 5.5 | 2.2 |
| | 124 | - | - | - | 5.5 | 2.2 |
| | 131 | - | - | - | - | 2.2 |
| | 138 | - | - | - | - | 2.2 |
| | 46 | - | 11.2 | - | - | - |
| | 52 | - | 11.2 | 7.7 | - | - |
| | 59 | - | 11.2 | 7.7 | 2.2 | - |
| 65 | - | 11.2 | 7.7 | 2.2 | - | |
| 72 | - | 11.2 | 7.7 | 2.2 | - | |
| 79 | - | 11.2 | 7.7 | 2.2 | - | |
| 85 | - | 10.8 | 7.7 | 2.2 | - | |
| 92 | - | - | 7.7 | 2.2 | - | |
| 98 | - | - | 7.7 | 2.2 | - | |
| 105 | - | - | 7.7 | 2.2 | - | |
| 111 | - | - | - | 2.2 | - | |
| 118 | - | - | - | 2.2 | - | |
| 124 | - | - | - | 2.2 | - | |