

**Rated Lifting Capacities  
In Pounds**



Full

**14,000 lb**



| Load<br>Radius<br>(ft) | 42.3 ft        |         | 55.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 10                     | 69.5           | 260,000 | 74.0           | 77,300 | 77.5           | 51,000 |
| 12                     | 66.0           | 217,700 | 72.0           | 77,300 | 76.5           | 51,000 |
| 15                     | 61.5           | 173,800 | 69.0           | 77,300 | 73.5           | 51,000 |
| 20                     | 53.0           | 128,000 | 63.0           | 77,300 | 69.5           | 51,000 |
| 25                     | 43.0           | 99,700  | 56.5           | 77,300 | 65.0           | 51,000 |
| 30                     | 29.5           | 71,400  | 49.5           | 77,300 | 60.0           | 51,000 |
| 35                     |                |         | 42.0           | 57,800 | 55.0           | 51,000 |
| 40                     |                |         | 32.0           | 44,900 | 49.5           | 46,400 |
| 45                     |                |         | 17.5           | 35,500 | 43.5           | 39,100 |
| 50                     |                |         |                |        | 36.5           | 32,200 |
| 55                     |                |         |                |        | 28.0           | 26,900 |
| 60                     |                |         |                |        | 15.0           | 22,800 |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 55,900  | 0.0            | 25,600 | 0.0            | 13,300 |
| Radius (ft)            | 33.7           |         | 46.5           |        | 61.5           |        |

| Load<br>Radius<br>(ft) | 85.0 ft        |        | 100.0 ft       |        | 115.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 15                     | 76.5           | 46,600 |                |        |                |        |
| 20                     | 73.5           | 46,600 | 76.0           | 46,700 | 78.0           | 37,000 |
| 25                     | 70.0           | 46,600 | 73.5           | 46,700 | 75.5           | 37,000 |
| 30                     | 66.5           | 46,600 | 70.5           | 44,200 | 73.0           | 37,000 |
| 35                     | 62.5           | 46,600 | 67.0           | 39,900 | 70.5           | 37,000 |
| 40                     | 58.5           | 43,200 | 64.0           | 36,200 | 68.0           | 36,900 |
| 45                     | 54.5           | 39,700 | 60.5           | 33,000 | 65.5           | 33,800 |
| 50                     | 49.5           | 33,400 | 57.5           | 30,300 | 62.5           | 31,000 |
| 55                     | 45.0           | 28,200 | 53.5           | 27,900 | 59.5           | 28,600 |
| 60                     | 39.5           | 24,100 | 50.0           | 24,700 | 56.5           | 24,600 |
| 65                     | 33.0           | 20,700 | 45.5           | 21,400 | 53.5           | 21,300 |
| 70                     | 25.5           | 17,900 | 41.0           | 18,700 | 50.0           | 18,600 |
| 75                     | 13.5           | 15,700 | 36.0           | 16,500 | 46.0           | 16,400 |
| 80                     |                |        | 30.5           | 14,500 | 42.5           | 14,500 |
| 85                     |                |        | 23.5           | 12,800 | 38.5           | 12,800 |
| 90                     |                |        | 12.5           | 11,300 | 33.5           | 11,300 |
| 95                     |                |        |                |        | 28.5           | 10,000 |
| 100                    |                |        |                |        | 22.0           | 8,900  |
| 105                    |                |        |                |        | 11.5           | 7,800  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 10,800 | 0.0            | 8,700  | 0.0            | 7,100  |
| Radius (ft)            | 76.5           |        | 91.5           |        | 106.5          |        |

**Rated Lifting Capacities  
In Pounds**



Full

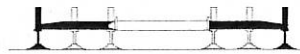
**14,000 lb**



| Load<br>Radius<br>(ft) | 130.0 ft       |        | 145.0 ft       |        | 160.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 25                     | 77.0           | 31,400 |                |        |                |        |
| 30                     | 75.0           | 31,400 | 77.0           | 29,500 | 78.0           | 26,200 |
| 35                     | 73.0           | 31,400 | 75.0           | 29,500 | 76.5           | 26,200 |
| 40                     | 71.0           | 31,400 | 73.5           | 29,500 | 75.0           | 26,200 |
| 45                     | 69.0           | 30,100 | 71.5           | 29,500 | 73.5           | 26,200 |
| 50                     | 66.5           | 27,600 | 69.5           | 29,300 | 72.0           | 26,200 |
| 55                     | 64.0           | 25,500 | 67.5           | 27,000 | 70.0           | 24,700 |
| 60                     | 61.5           | 23,500 | 65.0           | 23,900 | 68.0           | 22,800 |
| 65                     | 58.5           | 21,200 | 62.5           | 20,600 | 66.0           | 20,100 |
| 70                     | 56.0           | 18,500 | 60.0           | 17,900 | 63.5           | 17,400 |
| 75                     | 53.0           | 16,300 | 57.5           | 15,800 | 61.5           | 15,400 |
| 80                     | 50.0           | 14,400 | 55.0           | 13,900 | 59.5           | 13,400 |
| 85                     | 46.5           | 12,700 | 52.5           | 12,200 | 57.0           | 11,800 |
| 90                     | 43.5           | 11,300 | 50.0           | 10,800 | 54.5           | 10,300 |
| 95                     | 40.0           | 10,000 | 47.0           | 9,500  | 52.5           | 9,100  |
| 100                    | 36.0           | 8,800  | 44.0           | 8,400  | 50.0           | 8,000  |
| 105                    | 31.5           | 7,800  | 41.0           | 7,400  | 47.5           | 7,000  |
| 110                    | 26.5           | 6,900  | 37.5           | 6,500  | 44.5           | 6,100  |
| 115                    | 20.5           | 6,100  | 34.0           | 5,700  | 42.0           | 5,300  |
| 120                    | 11.0           | 5,300  | 30.0           | 4,900  | 39.0           | 4,500  |
| 125                    |                |        | 25.0           | 4,200  | 35.5           | 3,900  |
| 130                    |                |        | 19.5           | 3,600  | 32.0           | 3,200  |
| 135                    |                |        | 10.5           | 3,100  | 28.5           | 2,700  |
| 140                    |                |        |                |        | 24.0           | 2,200  |
| 145                    |                |        |                |        | 18.5           | 1,700  |
| 150                    |                |        |                |        | 10.0           | 1,300  |
| Min. Bm.<br>Ang./Cap.  | 0.0            | 5,200  | 0.0            | 3,000  | 0.0            | 1,200  |
| Radius (ft)            | 121.5          |        | 136.5          |        | 151.5          |        |

| Load<br>Radius<br>(ft) | 175.0 ft       |        | 185.0 ft       |        | 195.3 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   | $\angle^\circ$ | 360°   |
| 35                     | 78.0           | 24,400 | 78.0           | 18,800 |                |        |
| 40                     | 76.5           | 24,400 | 77.0           | 18,800 | 77.5           | 17,000 |
| 45                     | 75.0           | 24,400 | 75.5           | 18,800 | 76.0           | 17,000 |
| 50                     | 73.5           | 24,400 | 74.5           | 18,800 | 75.0           | 17,000 |
| 55                     | 72.5           | 24,400 | 73.0           | 18,800 | 74.0           | 17,000 |
| 60                     | 70.5           | 22,600 | 71.5           | 18,800 | 72.5           | 17,000 |
| 65                     | 68.5           | 19,300 | 70.0           | 18,800 | 71.5           | 17,000 |
| 70                     | 66.5           | 16,900 | 68.5           | 16,400 | 69.5           | 15,900 |
| 75                     | 64.5           | 14,600 | 66.5           | 14,100 | 68.0           | 13,700 |
| 80                     | 62.5           | 12,700 | 64.5           | 12,200 | 66.0           | 11,800 |
| 85                     | 60.5           | 11,000 | 62.5           | 10,600 | 64.5           | 10,100 |
| 90                     | 58.5           | 9,600  | 61.0           | 9,100  | 62.5           | 8,700  |
| 95                     | 56.5           | 8,400  | 59.0           | 7,900  | 61.0           | 7,500  |
| 100                    | 54.0           | 7,200  | 57.0           | 6,800  | 59.0           | 6,400  |
| 105                    | 52.0           | 6,300  | 55.0           | 5,800  | 57.0           | 5,400  |
| 110                    | 50.0           | 5,400  | 53.0           | 4,900  | 55.0           | 4,500  |
| 115                    | 47.5           | 4,600  | 50.5           | 4,100  | 53.0           | 3,700  |
| 120                    | 45.0           | 3,900  | 48.5           | 3,400  | 51.0           | 3,000  |
| 125                    | 42.5           | 3,200  | 46.0           | 2,800  | 49.0           | 2,300  |
| 130                    | 40.0           | 2,600  | 44.0           | 2,200  | 47.0           | 1,700  |
| 135                    | 37.0           | 2,000  | 41.5           | 1,600  |                |        |
| 140                    | 34.0           | 1,500  |                |        |                |        |
| Min. Bm.<br>Ang./Cap.  | 31.0           |        | 39.5           |        | 45.5           |        |
| Radius (ft)            | 144.0          |        | 139.4          |        | 134.4          |        |

**Rated Lifting Capacities  
In Pounds**



**Full**

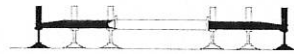
**14,000 lb**



| Load<br>Radius<br>(ft) | 42.3 ft        |         | 55.0 ft        |        | 70.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°    | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 10                     | 69.5           | 260,000 | 74.0           | 77,300 | 77.5           | 61,600 |
| 12                     | 66.0           | 217,700 | 72.0           | 77,300 | 76.5           | 61,600 |
| 15                     | 61.5           | 173,800 | 69.0           | 77,300 | 73.5           | 61,600 |
| 20                     | 53.0           | 128,000 | 63.0           | 77,300 | 69.5           | 61,600 |
| 25                     | 43.0           | 99,700  | 56.5           | 77,300 | 65.0           | 61,600 |
| 30                     | 29.5           | 71,400  | 49.5           | 77,300 | 60.0           | 59,900 |
| 35                     |                |         | 42.0           | 57,800 | 55.0           | 54,100 |
| 40                     |                |         | 32.0           | 44,900 | 49.5           | 48,300 |
| 45                     |                |         | 17.5           | 35,500 | 43.5           | 39,000 |
| 50                     |                |         |                |        | 36.5           | 32,100 |
| 55                     |                |         |                |        | 28.0           | 26,800 |
| 60                     |                |         |                |        | 15.0           | 22,700 |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 55,900  | 0.0            | 25,600 | 0.0            | 14,200 |
| Radius (ft)            | 33.7           |         | 46.5           |        | 61.5           |        |

| Load<br>Radius<br>(ft) | 85.0 ft        |        | 100.0 ft       |        | 115.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 15                     | 77.0           | 61,900 |                |        |                |        |
| 20                     | 73.5           | 61,900 | 76.0           | 52,900 | 78.0           | 39,000 |
| 25                     | 70.0           | 59,400 | 73.5           | 52,900 | 75.5           | 39,000 |
| 30                     | 66.5           | 52,800 | 70.5           | 47,800 | 73.5           | 39,000 |
| 35                     | 62.5           | 47,400 | 67.5           | 43,100 | 71.0           | 39,000 |
| 40                     | 58.5           | 43,000 | 64.0           | 39,300 | 68.5           | 36,600 |
| 45                     | 54.5           | 39,400 | 61.0           | 36,000 | 65.5           | 33,400 |
| 50                     | 49.5           | 33,300 | 57.5           | 33,200 | 62.5           | 30,700 |
| 55                     | 45.0           | 28,100 | 53.5           | 28,500 | 60.0           | 28,300 |
| 60                     | 39.5           | 23,900 | 50.0           | 24,400 | 56.5           | 24,300 |
| 65                     | 33.0           | 20,500 | 45.5           | 21,100 | 53.5           | 21,000 |
| 70                     | 25.5           | 17,800 | 41.0           | 18,400 | 50.0           | 18,300 |
| 75                     | 13.5           | 15,500 | 36.0           | 16,100 | 46.5           | 16,100 |
| 80                     |                |        | 30.5           | 14,100 | 42.5           | 14,200 |
| 85                     |                |        | 23.5           | 12,400 | 38.5           | 12,500 |
| 90                     |                |        | 12.5           | 11,000 | 33.5           | 11,000 |
| 95                     |                |        |                |        | 28.5           | 9,700  |
| 100                    |                |        |                |        | 22.0           | 8,500  |
| 105                    |                |        |                |        | 12.0           | 7,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 12,000 | 0.0            | 9,800  | 0.0            | 7,300  |
| Radius (ft)            | 76.5           |        | 91.5           |        | 106.5          |        |

**Rated Lifting Capacities  
In Pounds**



**Full**

**14,000 lb**



| Load<br>Radius<br>(ft) | 130.0 ft       |        | 140.0 ft       |        | 150.0 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 25                     | 77.5           | 35,600 |                |        |                |        |
| 30                     | 75.5           | 35,600 | 77.0           | 32,200 | 78.5           | 30,200 |
| 35                     | 73.5           | 35,600 | 75.5           | 32,200 | 77.0           | 30,200 |
| 40                     | 71.5           | 35,600 | 73.5           | 32,200 | 75.5           | 30,200 |
| 45                     | 69.0           | 32,800 | 71.5           | 31,500 | 74.0           | 30,200 |
| 50                     | 66.5           | 30,200 | 69.5           | 28,900 | 72.0           | 29,100 |
| 55                     | 64.0           | 27,900 | 67.5           | 26,600 | 70.5           | 25,600 |
| 60                     | 61.5           | 23,900 | 65.0           | 23,400 | 68.0           | 22,600 |
| 65                     | 58.5           | 20,600 | 62.5           | 20,100 | 66.0           | 19,300 |
| 70                     | 56.0           | 17,900 | 60.5           | 17,400 | 64.0           | 16,800 |
| 75                     | 53.0           | 15,800 | 58.0           | 15,300 | 61.5           | 14,600 |
| 80                     | 50.0           | 13,900 | 55.0           | 13,400 | 59.5           | 12,700 |
| 85                     | 46.5           | 12,200 | 52.5           | 11,700 | 57.0           | 11,000 |
| 90                     | 43.5           | 10,800 | 50.0           | 10,300 | 54.5           | 9,600  |
| 95                     | 40.0           | 9,500  | 47.0           | 9,000  | 52.5           | 8,300  |
| 100                    | 36.0           | 8,300  | 44.0           | 7,900  | 50.0           | 7,200  |
| 105                    | 31.5           | 7,300  | 41.0           | 6,900  | 47.5           | 6,200  |
| 110                    | 26.5           | 6,400  | 37.5           | 6,000  | 44.5           | 5,400  |
| 115                    | 20.5           | 5,600  | 34.0           | 5,200  | 42.0           | 4,600  |
| 120                    | 11.0           | 4,800  | 30.0           | 4,400  | 39.0           | 3,800  |
| 125                    |                |        | 25.0           | 3,700  | 35.5           | 3,100  |
| 130                    |                |        | 19.5           | 3,100  | 32.5           | 2,500  |
| 135                    |                |        | 10.5           | 2,600  | 28.5           | 2,000  |
| 140                    |                |        |                |        | 24.0           | 1,500  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 4,700  | 0.0            | 2,500  | 20.0           |        |
| Radius (ft)            | 121.5          |        | 136.5          |        | 143.5          |        |

| Load<br>Radius<br>(ft) | 170.0 ft       |        | 180.3 ft       |        |
|------------------------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 35                     | 78.0           | 28,000 | 78.5           | 24,900 |
| 40                     | 76.5           | 28,000 | 77.5           | 24,900 |
| 45                     | 75.0           | 28,000 | 76.0           | 24,900 |
| 50                     | 74.0           | 28,000 | 75.0           | 24,900 |
| 55                     | 72.0           | 26,000 | 73.5           | 24,900 |
| 60                     | 70.0           | 22,000 | 71.5           | 21,400 |
| 65                     | 68.0           | 18,700 | 69.5           | 18,200 |
| 70                     | 66.0           | 16,300 | 67.5           | 15,800 |
| 75                     | 64.0           | 14,000 | 65.5           | 13,600 |
| 80                     | 61.5           | 12,100 | 64.0           | 11,700 |
| 85                     | 59.5           | 10,500 | 62.0           | 10,000 |
| 90                     | 57.5           | 9,100  | 60.0           | 8,600  |
| 95                     | 55.5           | 7,800  | 58.0           | 7,400  |
| 100                    | 53.0           | 6,700  | 56.0           | 6,300  |
| 105                    | 51.0           | 5,700  | 53.5           | 5,300  |
| 110                    | 48.5           | 4,900  | 51.5           | 4,400  |
| 115                    | 46.0           | 4,100  | 49.5           | 3,600  |
| 120                    | 43.5           | 3,400  | 47.0           | 2,900  |
| 125                    | 40.5           | 2,700  | 44.5           | 2,300  |
| 130                    | 38.0           | 2,100  | 42.0           | 1,700  |
| 135                    | 34.5           | 1,500  |                |        |
| Min.Bm.<br>Ang./Cap.   | 32.5           |        | 40.0           |        |
| Radius (ft)            | 138.2          |        | 133.8          |        |

**Rated Lifting Capacities  
In Pounds**



**Full**

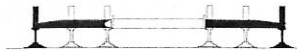
**14,000 lb**



| Load<br>Radius<br>(ft) | 42.3 ft    |         | 55.0 ft    |        | 70.0 ft    |        | 85.0 ft    |        | 100.0 ft   |        |
|------------------------|------------|---------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°    | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 10                     | 69.5       | 260,000 | 74.0       | 77,300 | 77.5       | 68,700 |            |        |            |        |
| 12                     | 66.0       | 217,700 | 72.0       | 77,300 | 76.5       | 68,700 |            |        |            |        |
| 15                     | 61.5       | 173,800 | 69.0       | 77,300 | 74.0       | 68,700 | 76.5       | 69,000 |            |        |
| 20                     | 53.0       | 128,000 | 63.0       | 77,300 | 69.5       | 68,700 | 74.0       | 69,000 | 76.0       | 54,700 |
| 25                     | 43.0       | 99,700  | 56.5       | 77,300 | 65.0       | 68,700 | 70.0       | 69,000 | 73.5       | 54,700 |
| 30                     | 29.5       | 71,400  | 49.5       | 77,300 | 60.5       | 68,700 | 66.5       | 69,000 | 70.5       | 53,100 |
| 35                     |            |         | 42.0       | 57,800 | 55.0       | 60,200 | 62.5       | 60,600 | 67.5       | 47,700 |
| 40                     |            |         | 32.0       | 44,900 | 49.5       | 47,400 | 58.5       | 47,800 | 64.0       | 43,200 |
| 45                     |            |         | 17.5       | 35,500 | 43.5       | 38,100 | 54.0       | 38,400 | 60.5       | 38,400 |
| 50                     |            |         |            |        | 36.5       | 31,200 | 49.5       | 31,700 | 57.0       | 31,800 |
| 55                     |            |         |            |        | 28.0       | 26,000 | 44.5       | 26,600 | 53.5       | 26,600 |
| 60                     |            |         |            |        | 15.0       | 21,900 | 39.0       | 22,500 | 49.5       | 22,600 |
| 65                     |            |         |            |        |            |        | 33.0       | 19,100 | 45.5       | 19,300 |
| 70                     |            |         |            |        |            |        | 25.5       | 16,400 | 41.0       | 16,700 |
| 75                     |            |         |            |        |            |        | 13.5       | 14,100 | 36.0       | 14,400 |
| 80                     |            |         |            |        |            |        |            |        | 30.5       | 12,400 |
| 85                     |            |         |            |        |            |        |            |        | 23.5       | 10,800 |
| 90                     |            |         |            |        |            |        |            |        | 12.5       | 9,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 55,900  | 0.0        | 25,600 | 0.0        | 20,800 | 0.0        | 13,600 | 0.0        | 8,900  |
| Radius (ft)            | 33.7       |         | 46.5       |        | 61.5       |        | 76.5       |        | 91.5       |        |

| Load<br>Radius<br>(ft) | 115.0 ft   |        | 130.0 ft   |        | 145.0 ft   |        | 155.0 ft   |        |
|------------------------|------------|--------|------------|--------|------------|--------|------------|--------|
|                        | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   | $\angle$ ° | 360°   |
| 20                     | 78.5       | 54,000 |            |        |            |        |            |        |
| 25                     | 76.0       | 54,000 | 78.0       | 49,400 |            |        |            |        |
| 30                     | 73.5       | 50,700 | 76.0       | 47,400 | 77.5       | 41,000 | 78.5       | 35,500 |
| 35                     | 71.0       | 45,500 | 73.5       | 42,700 | 76.0       | 41,000 | 77.0       | 35,500 |
| 40                     | 68.0       | 41,300 | 71.5       | 38,700 | 74.0       | 40,300 | 75.5       | 35,500 |
| 45                     | 65.5       | 37,600 | 69.0       | 35,300 | 72.0       | 36,100 | 73.5       | 33,000 |
| 50                     | 62.5       | 31,200 | 66.5       | 30,600 | 69.5       | 29,700 | 71.5       | 29,100 |
| 55                     | 59.5       | 26,100 | 63.5       | 25,500 | 67.5       | 24,600 | 69.5       | 24,000 |
| 60                     | 56.0       | 22,100 | 61.0       | 21,500 | 65.0       | 20,600 | 67.0       | 20,100 |
| 65                     | 53.0       | 18,800 | 58.5       | 18,200 | 62.5       | 17,400 | 65.0       | 17,100 |
| 70                     | 49.5       | 16,300 | 55.5       | 15,700 | 60.0       | 14,900 | 62.5       | 14,500 |
| 75                     | 46.0       | 14,000 | 52.5       | 13,500 | 57.5       | 12,700 | 60.5       | 12,200 |
| 80                     | 42.0       | 12,100 | 49.5       | 11,600 | 55.0       | 10,800 | 58.0       | 10,400 |
| 85                     | 38.0       | 10,500 | 46.5       | 10,000 | 52.5       | 9,200  | 55.5       | 8,800  |
| 90                     | 33.5       | 9,000  | 43.0       | 8,600  | 50.0       | 7,800  | 53.0       | 7,400  |
| 95                     | 28.0       | 7,700  | 39.5       | 7,300  | 47.0       | 6,600  | 50.5       | 6,100  |
| 100                    | 21.5       | 6,600  | 35.5       | 6,200  | 44.0       | 5,500  | 48.0       | 5,000  |
| 105                    | 11.5       | 5,600  | 31.5       | 5,200  | 41.0       | 4,500  | 45.5       | 4,100  |
| 110                    |            |        | 26.5       | 4,300  | 37.5       | 3,600  | 42.5       | 3,200  |
| 115                    |            |        | 20.5       | 3,500  | 34.0       | 2,800  | 39.5       | 2,400  |
| 120                    |            |        | 11.0       | 2,800  | 30.0       | 2,100  | 36.5       | 1,700  |
| 125                    |            |        |            |        | 25.5       | 1,400  |            |        |
| Min.Bm.<br>Ang./Cap.   | 0.0        | 5,300  | 0.0        | 2,600  | 24.5       |        | 34.5       |        |
| Radius (ft)            | 106.5      |        | 121.5      |        | 125.8      |        | 122.6      |        |

**Rated Lifting Capacities  
In Pounds**



**Full**

**14,000 lb**



| Load<br>Radius<br>(ft) | 42.3 ft        |         | 55.0 ft        |        | 70.0 ft        |        | 85.0 ft        |        |
|------------------------|----------------|---------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°    | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 10                     | 69.5           | 260,000 | 74.0           | 77,300 | 77.5           | 68,700 |                |        |
| 12                     | 66.0           | 217,700 | 72.0           | 77,300 | 76.5           | 68,700 |                |        |
| 15                     | 61.5           | 173,800 | 69.0           | 77,300 | 74.0           | 68,700 | 76.5           | 64,900 |
| 20                     | 53.0           | 128,000 | 63.0           | 77,300 | 69.5           | 68,700 | 74.0           | 64,900 |
| 25                     | 43.0           | 99,700  | 56.5           | 77,300 | 65.0           | 68,700 | 70.0           | 64,900 |
| 30                     | 29.5           | 71,400  | 49.5           | 77,300 | 60.5           | 68,700 | 66.5           | 64,900 |
| 35                     |                |         | 42.0           | 57,800 | 55.0           | 60,200 | 62.5           | 60,500 |
| 40                     |                |         | 32.0           | 44,900 | 49.5           | 47,400 | 58.5           | 47,700 |
| 45                     |                |         | 17.5           | 35,500 | 43.5           | 38,100 | 54.0           | 38,400 |
| 50                     |                |         |                |        | 36.5           | 31,200 | 49.5           | 31,700 |
| 55                     |                |         |                |        | 28.0           | 26,000 | 44.5           | 26,500 |
| 60                     |                |         |                |        | 15.0           | 21,900 | 39.0           | 22,400 |
| 65                     |                |         |                |        |                |        | 33.0           | 19,100 |
| 70                     |                |         |                |        |                |        | 25.5           | 16,400 |
| 75                     |                |         |                |        |                |        | 13.5           | 14,100 |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 55,900  | 0.0            | 25,600 | 0.0            | 20,800 | 0.0            | 13,500 |
| Radius (ft)            | 33.7           |         | 46.5           |        | 61.5           |        | 76.5           |        |

| Load<br>Radius<br>(ft) | 100.0 ft       |        | 115.0 ft       |        | 129.6 ft       |        |
|------------------------|----------------|--------|----------------|--------|----------------|--------|
|                        | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   | $\Delta^\circ$ | 360°   |
| 20                     | 76.0           | 65,000 | 78.5           | 61,300 |                |        |
| 25                     | 73.5           | 65,000 | 76.0           | 61,300 | 78.0           | 47,200 |
| 30                     | 70.5           | 65,000 | 74.0           | 61,300 | 76.0           | 47,200 |
| 35                     | 67.5           | 59,800 | 71.0           | 58,300 | 73.5           | 45,500 |
| 40                     | 64.0           | 47,100 | 68.0           | 45,600 | 71.5           | 40,800 |
| 45                     | 60.5           | 37,700 | 65.0           | 36,400 | 69.0           | 35,400 |
| 50                     | 57.0           | 31,100 | 62.5           | 29,900 | 66.5           | 28,900 |
| 55                     | 53.5           | 26,000 | 59.0           | 24,800 | 63.5           | 23,900 |
| 60                     | 49.5           | 21,900 | 56.0           | 20,800 | 61.0           | 19,900 |
| 65                     | 45.0           | 18,700 | 53.0           | 17,600 | 58.0           | 16,900 |
| 70                     | 41.0           | 16,100 | 49.5           | 15,100 | 55.5           | 14,200 |
| 75                     | 36.0           | 13,800 | 46.0           | 12,800 | 52.5           | 12,000 |
| 80                     | 30.0           | 11,900 | 42.0           | 11,000 | 49.5           | 10,200 |
| 85                     | 23.0           | 10,200 | 38.0           | 9,300  | 46.5           | 8,600  |
| 90                     | 12.5           | 8,700  | 33.5           | 7,800  | 43.0           | 7,200  |
| 95                     |                |        | 28.0           | 6,600  | 39.5           | 5,900  |
| 100                    |                |        | 21.5           | 5,500  | 35.5           | 4,800  |
| 105                    |                |        | 11.5           | 4,500  | 31.0           | 3,800  |
| 110                    |                |        |                |        | 26.0           | 2,900  |
| 115                    |                |        |                |        | 20.0           | 2,100  |
| 120                    |                |        |                |        | 9.5            | 1,400  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 8,400  | 0.0            | 4,200  | 4.5            |        |
| Radius (ft)            | 91.5           |        | 106.5          |        | 120.6          |        |

**Rated Lifting Capacities  
In Pounds**



**Full**

**14,000 lb**

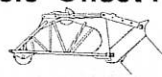


| Load<br>Radius<br>(ft) | 42.3 ft        |         | 56.4 ft        |         | 71.3 ft        |         |
|------------------------|----------------|---------|----------------|---------|----------------|---------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°    |
| 10                     | 69.5           | 260,000 | 75.0           | 157,100 | 78.5           | 151,700 |
| 12                     | 66.0           | 217,700 | 73.0           | 157,100 | 77.0           | 144,800 |
| 15                     | 61.5           | 173,800 | 69.5           | 157,100 | 74.5           | 137,400 |
| 20                     | 53.0           | 128,000 | 63.5           | 131,500 | 70.0           | 118,300 |
| 25                     | 43.0           | 99,700  | 57.5           | 103,200 | 65.5           | 103,700 |
| 30                     | 29.5           | 71,400  | 51.0           | 76,500  | 61.0           | 77,800  |
| 35                     |                |         | 43.5           | 57,000  | 56.0           | 58,200  |
| 40                     |                |         | 34.5           | 44,100  | 50.5           | 45,400  |
| 45                     |                |         | 22.5           | 34,800  | 44.5           | 36,200  |
| 50                     |                |         |                |         | 38.0           | 29,600  |
| 55                     |                |         |                |         | 30.0           | 24,300  |
| 60                     |                |         |                |         | 19.0           | 20,300  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 55,900  | 0.0            | 30,600  | 0.0            | 18,400  |
| Radius (ft)            | 33.7           |         | 47.8           |         | 62.7           |         |

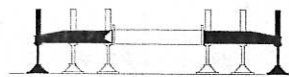
| Load<br>Radius<br>(ft) | 87.1 ft        |         | 103.7 ft       |        |
|------------------------|----------------|---------|----------------|--------|
|                        | $\angle^\circ$ | 360°    | $\angle^\circ$ | 360°   |
| 15                     | 77.5           | 110,100 |                |        |
| 20                     | 74.0           | 106,500 | 77.0           | 80,700 |
| 25                     | 70.5           | 93,500  | 74.5           | 77,100 |
| 30                     | 67.0           | 77,400  | 71.5           | 67,900 |
| 35                     | 63.0           | 57,800  | 68.5           | 56,400 |
| 40                     | 59.0           | 45,100  | 65.0           | 43,700 |
| 45                     | 55.0           | 35,900  | 62.0           | 34,600 |
| 50                     | 50.5           | 29,300  | 58.5           | 28,100 |
| 55                     | 46.0           | 24,300  | 55.0           | 23,100 |
| 60                     | 41.0           | 20,300  | 51.5           | 19,100 |
| 65                     | 35.0           | 17,100  | 47.5           | 16,100 |
| 70                     | 28.5           | 14,400  | 43.5           | 13,500 |
| 75                     | 19.0           | 12,100  | 39.0           | 11,300 |
| 80                     |                |         | 34.0           | 9,300  |
| 85                     |                |         | 28.0           | 7,700  |
| 90                     |                |         | 20.5           | 6,300  |
| 95                     |                |         | 6.0            | 5,000  |
| Min.Bm.<br>Ang./Cap.   | 0.0            | 10,700  | 0.0            | 5,000  |
| Radius (ft)            | 78.5           |         | 95.2           |        |

# Rated Lifting Capacities In Pounds

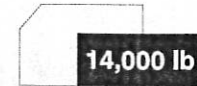
## 10.0' Offset Fly



2°, 15°, 30°, 45°



Full



14,000 lb



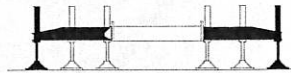
| Load<br>Radius (ft)  | Boom Length (ft) |            |            |           |           |           |           |           |          |          |          |
|----------------------|------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
|                      | 42.3             | 55.0       | 70.0       | 85.0      | 100.0     | 115.0     | 130.0     | 145.0     | 160.0    | 175.0    | 185.0    |
| 10                   | 51,800           | 51,800     |            |           |           |           |           |           |          |          |          |
| 12                   | 47,300           | 51,800     | 48,600     |           |           |           |           |           |          |          |          |
| 15                   | 46,400           | 46,700     | 48,600     | 44,000    |           |           |           |           |          |          |          |
| 20                   | 45,200           | 45,600     | 45,100     | 43,900    | 37,100    |           |           |           |          |          |          |
| 25                   | 44,500           | 44,800     | 44,400     | 43,300    | 37,100    | 29,300    | 24,700    |           |          |          |          |
| 30                   | 44,500           | 44,300     | 43,800     | 42,800    | 37,100    | 29,300    | 24,700    | 23,200    | 20,300   | 15,300   |          |
| 35                   | 44,500           | 44,200     | 42,000     | 41,900    | 35,600    | 29,300    | 24,700    | 23,200    | 20,300   | 15,300   | 14,200   |
| 40                   | 44,500           | 44,200     | 38,100     | 38,000    | 32,500    | 29,300    | 24,700    | 23,200    | 20,300   | 15,300   | 14,200   |
| 45                   |                  | 38,100     | 34,800     | 34,600    | 29,700    | 29,300    | 24,700    | 23,200    | 20,300   | 15,300   | 14,200   |
| 50                   |                  | 31,300     | 32,300     | 32,100    | 27,200    | 28,100    | 24,700    | 23,200    | 20,300   | 15,300   | 14,200   |
| 55                   |                  | 26,100     | 28,000     | 28,600    | 25,100    | 25,900    | 23,200    | 23,200    | 20,300   | 15,300   | 14,200   |
| 60                   |                  |            | 23,900     | 24,400    | 23,200    | 24,000    | 21,400    | 22,600    | 20,300   | 15,300   | 14,200   |
| 65                   |                  |            | 20,600     | 21,100    | 21,400    | 21,200    | 19,800    | 20,300    | 19,300   | 15,300   | 14,200   |
| 70                   |                  |            | 17,900     | 18,400    | 18,700    | 18,400    | 18,200    | 17,600    | 17,000   | 15,300   | 14,200   |
| 75                   |                  |            |            | 16,200    | 16,500    | 16,300    | 16,100    | 15,500    | 15,000   | 14,200   | 13,700   |
| 80                   |                  |            |            | 14,200    | 14,500    | 14,300    | 14,100    | 13,500    | 13,000   | 12,300   | 11,800   |
| 85                   |                  |            |            | 12,500    | 12,900    | 12,600    | 12,400    | 11,900    | 11,400   | 10,600   | 10,100   |
| 90                   |                  |            |            |           | 11,400    | 11,200    | 11,000    | 10,400    | 9,900    | 9,200    | 8,700    |
| 95                   |                  |            |            |           | 10,100    | 9,900     | 9,700     | 9,100     | 8,600    | 7,900    | 7,400    |
| 100                  |                  |            |            |           | 9,000     | 8,800     | 8,600     | 8,000     | 7,500    | 6,800    | 6,300    |
| 105                  |                  |            |            |           |           | 7,800     | 7,500     | 7,000     | 6,500    | 5,800    | 5,300    |
| 110                  |                  |            |            |           |           | 6,900     | 6,600     | 6,100     | 5,600    | 4,900    | 4,400    |
| 115                  |                  |            |            |           |           | 6,000     | 5,800     | 5,300     | 4,800    | 4,100    | 3,600    |
| 120                  |                  |            |            |           |           |           | 5,100     | 4,600     | 4,100    | 3,400    | 2,900    |
| 125                  |                  |            |            |           |           |           | 4,400     | 3,900     | 3,400    | 2,700    | 2,200    |
| 130                  |                  |            |            |           |           |           | 3,800     | 3,300     | 2,800    | 2,100    | 1,600    |
| 135                  |                  |            |            |           |           |           |           | 2,800     | 2,300    | 1,600    |          |
| 140                  |                  |            |            |           |           |           |           | 2,200     | 1,800    |          |          |
| 145                  |                  |            |            |           |           |           |           | 1,800     | 1,300    |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 32,000       | 0 / 17,600 | 0 / 10,100 | 0 / 8,300 | 0 / 6,700 | 0 / 5,400 | 0 / 3,700 | 0 / 1,700 | 26.5 / 0 | 40.0 / 0 | 46.0 / 0 |
| Radius (ft)          | 44.0             | 56.5       | 71.5       | 86.5      | 101.5     | 116.5     | 131.5     | 146.5     | 147.5    | 139.2    | 134.2    |

# Rated Lifting Capacities In Pounds

## 10.0' Offset Fly



2°, 15°, 30°, 45°



Full

14,000 lb

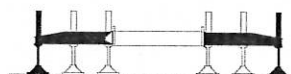


### Boom Length (ft)

| Load Radius (ft)     | 42.3       | 55.0       | 70.0       | 85.0      | 100.0     | 115.0     | 130.0       | 145.0     | 160.0    | 170.0    | 180.3    |
|----------------------|------------|------------|------------|-----------|-----------|-----------|-------------|-----------|----------|----------|----------|
| 10                   | 51,800     | 51,800     |            |           |           |           |             |           |          |          |          |
| 12                   | 47,300     | 51,800     | 51,800     |           |           |           |             |           |          |          |          |
| 15                   | 46,400     | 46,700     | 51,200     | 51,800    |           |           |             |           |          |          |          |
| 20                   | 45,200     | 45,600     | 45,300     | 44,200    | 40,400    |           |             |           |          |          |          |
| 25                   | 44,500     | 44,800     | 44,500     | 43,600    | 40,400    | 31,500    | 28,800      |           |          |          |          |
| 30                   | 44,500     | 44,300     | 44,000     | 43,100    | 40,400    | 31,500    | 28,800      | 26,000    | 24,100   |          |          |
| 35                   | 44,500     | 44,200     | 43,600     | 41,400    | 37,800    | 31,500    | 28,800      | 26,000    | 24,100   | 22,300   | 19,700   |
| 40                   | 44,500     | 44,200     | 39,600     | 37,600    | 34,500    | 31,500    | 28,800      | 26,000    | 24,100   | 22,300   | 19,700   |
| 45                   |            | 38,100     | 36,400     | 34,500    | 31,700    | 30,400    | 28,800      | 26,000    | 24,100   | 22,300   | 19,700   |
| 50                   |            | 31,300     | 33,200     | 31,800    | 29,200    | 27,900    | 27,200      | 26,000    | 24,100   | 22,300   | 19,700   |
| 55                   |            | 26,100     | 27,900     | 28,500    | 27,000    | 25,700    | 25,100      | 24,500    | 24,100   | 22,300   | 19,700   |
| 60                   |            |            | 23,800     | 24,300    | 24,500    | 23,700    | 23,300      | 22,600    | 22,300   | 21,700   | 19,700   |
| 65                   |            |            | 20,500     | 21,000    | 21,100    | 20,900    | 20,400      | 19,800    | 19,000   | 18,400   | 17,800   |
| 70                   |            |            | 17,800     | 18,200    | 18,400    | 18,100    | 17,700      | 17,100    | 16,500   | 15,900   | 15,400   |
| 75                   |            |            |            | 16,000    | 16,200    | 16,000    | 15,600      | 15,000    | 14,200   | 13,700   | 13,200   |
| 80                   |            |            |            | 14,100    | 14,200    | 14,000    | 13,600      | 13,000    | 12,300   | 11,800   | 11,300   |
| 85                   |            |            |            | 12,400    | 12,600    | 12,300    | 11,900      | 11,400    | 10,600   | 10,100   | 9,600    |
| 90                   |            |            |            |           | 11,100    | 10,900    | 10,500      | 9,900     | 9,200    | 8,700    | 8,200    |
| 95                   |            |            |            |           | 9,800     | 9,600     | 9,200       | 8,700     | 7,900    | 7,400    | 6,900    |
| 100                  |            |            |            |           | 8,700     | 8,500     | 8,100       | 7,500     | 6,800    | 6,300    | 5,800    |
| 105                  |            |            |            |           |           | 7,500     | 7,100       | 6,500     | 5,800    | 5,300    | 4,800    |
| 110                  |            |            |            |           |           | 6,600     | 6,200       | 5,600     | 4,900    | 4,400    | 4,000    |
| 115                  |            |            |            |           |           | 5,800     | 5,400       | 4,800     | 4,100    | 3,600    | 3,200    |
| 120                  |            |            |            |           |           |           | 4,600       | 4,100     | 3,400    | 2,900    | 2,400    |
| 125                  |            |            |            |           |           |           | 4,000       | 3,400     | 2,800    | 2,200    | 1,800    |
| 130                  |            |            |            |           |           |           | 3,400       | 2,800     | 2,200    | 1,600    |          |
| 135                  |            |            |            |           |           |           |             | 2,300     | 1,600    |          |          |
| 140                  |            |            |            |           |           |           |             | 1,800     |          |          |          |
| 145                  |            |            |            |           |           |           |             | 1,300     |          |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 32,000 | 0 / 17,600 | 0 / 10,600 | 0 / 9,000 | 0 / 7,400 | 0 / 5,600 | 0.0 / 3,300 | 0 / 1,300 | 32.0 / 0 | 40.0 / 0 | 46.5 / 0 |
| Radius (ft)          | 44.0       | 56.5       | 71.5       | 86.5      | 101.5     | 116.5     | 131.5       | 146.5     | 139.7    | 134.5    | 129.6    |

# Rated Lifting Capacities In Pounds

## 10.0' Offset Fly



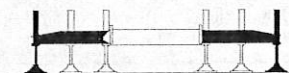
14,000 lb



| Load<br>Radius (ft)  | Boom Length (ft) |            |            |            |           |           |           |          |          |
|----------------------|------------------|------------|------------|------------|-----------|-----------|-----------|----------|----------|
|                      | 42.3             | 55.0       | 70.0       | 85.0       | 100.0     | 115.0     | 130.0     | 145.0    | 155.0    |
| 10                   | 51,800           | 51,800     |            |            |           |           |           |          |          |
| 12                   | 47,300           | 51,800     | 51,800     |            |           |           |           |          |          |
| 15                   | 46,400           | 46,700     | 51,800     | 51,800     |           |           |           |          |          |
| 20                   | 45,200           | 45,600     | 45,800     | 45,500     | 51,100    |           |           |          |          |
| 25                   | 44,500           | 44,800     | 45,000     | 44,800     | 43,400    | 45,800    | 40,200    |          |          |
| 30                   | 44,500           | 44,300     | 44,400     | 44,200     | 42,900    | 41,900    | 40,200    | 36,100   | 28,600   |
| 35                   | 44,500           | 44,200     | 44,000     | 43,800     | 41,400    | 40,900    | 38,400    | 36,100   | 28,600   |
| 40                   | 44,500           | 44,200     | 43,900     | 43,500     | 37,600    | 37,100    | 34,900    | 36,000   | 28,600   |
| 45                   |                  | 38,100     | 39,200     | 39,100     | 34,500    | 34,100    | 32,000    | 33,300   | 28,600   |
| 50                   |                  | 31,300     | 32,400     | 32,300     | 31,900    | 31,300    | 29,400    | 29,700   | 28,400   |
| 55                   |                  | 26,100     | 27,200     | 27,100     | 26,900    | 26,200    | 25,500    | 24,500   | 24,000   |
| 60                   |                  |            | 23,100     | 23,000     | 22,800    | 22,200    | 21,500    | 20,500   | 20,000   |
| 65                   |                  |            | 19,800     | 19,700     | 19,500    | 18,900    | 18,200    | 17,300   | 17,000   |
| 70                   |                  |            | 17,100     | 17,100     | 16,900    | 16,300    | 15,700    | 14,800   | 14,300   |
| 75                   |                  |            |            | 14,800     | 14,700    | 14,100    | 13,400    | 12,600   | 12,100   |
| 80                   |                  |            |            | 12,900     | 12,700    | 12,100    | 11,500    | 10,700   | 10,200   |
| 85                   |                  |            |            | 11,200     | 11,100    | 10,500    | 9,900     | 9,000    | 8,600    |
| 90                   |                  |            |            |            | 9,600     | 9,100     | 8,500     | 7,600    | 7,100    |
| 95                   |                  |            |            |            | 8,400     | 7,800     | 7,200     | 6,400    | 5,900    |
| 100                  |                  |            |            |            | 7,200     | 6,700     | 6,100     | 5,300    | 4,800    |
| 105                  |                  |            |            |            |           | 5,700     | 5,100     | 4,300    | 3,800    |
| 110                  |                  |            |            |            |           | 4,800     | 4,200     | 3,400    | 3,000    |
| 115                  |                  |            |            |            |           | 4,000     | 3,400     | 2,600    | 2,200    |
| 120                  |                  |            |            |            |           |           | 2,700     | 1,900    | 1,500    |
| 125                  |                  |            |            |            |           |           | 2,000     |          |          |
| 130                  |                  |            |            |            |           |           | 1,500     |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 32,000       | 0 / 17,600 | 0 / 14,800 | 0 / 10,800 | 0 / 7,000 | 0 / 3,900 | 0 / 1,400 | 33.5 / 0 | 41.0 / 0 |
| Radius (ft)          | 44.0             | 56.5       | 71.5       | 86.5       | 101.5     | 116.5     | 131.5     | 124.8    | 121.0    |

J8P0081

### 31.0' Offset Fly

 $2^{\circ}, 15^{\circ}, 30^{\circ}, 45^{\circ}$ 

Full

**14,000 lb**



## 163' Boom

| Load Radius (ft)                          | 163' Boom |        |       |        |       |        |       |        |
|-------------------------------------------|-----------|--------|-------|--------|-------|--------|-------|--------|
|                                           | 2°        |        | 15°   |        | 30°   |        | 45°   |        |
| 35                                        | 79.0      | 14,400 |       |        |       |        |       |        |
| 40                                        | 77.5      | 14,400 |       |        |       |        |       |        |
| 45                                        | 76.5      | 14,400 | 78.5  | 14,500 |       |        |       |        |
| 50                                        | 75.0      | 14,400 | 77.5  | 14,500 |       |        |       |        |
| 55                                        | 74.0      | 14,400 | 76.0  | 14,500 | 78.0  | 14,200 |       |        |
| 60                                        | 72.5      | 14,400 | 74.5  | 14,500 | 77.0  | 14,100 | 78.5  | 13,200 |
| 65                                        | 71.5      | 14,400 | 73.5  | 14,500 | 75.5  | 14,000 | 77.0  | 13,100 |
| 70                                        | 70.0      | 14,400 | 72.0  | 14,500 | 74.0  | 13,800 | 75.5  | 13,000 |
| 75                                        | 68.5      | 14,400 | 71.0  | 14,500 | 72.5  | 13,700 | 74.5  | 13,000 |
| 80                                        | 67.0      | 13,400 | 69.5  | 14,300 | 71.5  | 13,600 | 73.0  | 12,900 |
| 85                                        | 65.0      | 11,700 | 67.5  | 12,500 | 69.5  | 13,400 | 71.5  | 12,800 |
| 90                                        | 63.0      | 10,300 | 65.5  | 11,000 | 68.0  | 11,800 | 69.5  | 12,300 |
| 95                                        | 61.5      | 9,000  | 63.5  | 9,700  | 66.0  | 10,300 | 67.5  | 10,900 |
| 100                                       | 59.5      | 7,800  | 61.5  | 8,500  | 64.0  | 9,100  | 65.5  | 9,600  |
| 105                                       | 57.5      | 6,800  | 59.5  | 7,400  | 62.0  | 8,000  | 63.5  | 8,400  |
| 110                                       | 55.5      | 5,900  | 57.5  | 6,500  | 60.0  | 7,000  | 61.5  | 7,300  |
| 115                                       | 53.5      | 5,100  | 55.5  | 5,600  | 57.5  | 6,100  | 59.0  | 6,400  |
| 120                                       | 51.5      | 4,400  | 53.5  | 4,800  | 55.5  | 5,300  | 57.0  | 5,500  |
| 125                                       | 49.5      | 3,700  | 51.5  | 4,100  | 53.5  | 4,500  | 54.5  | 4,800  |
| 130                                       | 47.0      | 3,100  | 49.5  | 3,500  | 51.0  | 3,800  | 52.5  | 4,000  |
| 135                                       | 45.0      | 2,500  | 47.0  | 2,900  | 49.0  | 3,200  | 50.0  | 3,400  |
| 140                                       | 42.5      | 2,000  | 45.0  | 2,400  | 46.5  | 2,600  | 47.5  | 2,800  |
| 145                                       | 40.5      | 1,600  | 42.5  | 1,900  | 44.0  | 2,100  |       |        |
| 150                                       |           |        | 40.0  | 1,400  | 41.5  | 1,600  |       |        |
| Min.Bm. Ang./Cap.                         | 37.5      |        | 38.0  |        | 38.5  |        | 38.5  |        |
| Radius (ft)                               | 150.0     |        | 153.8 |        | 155.0 |        | 156.0 |        |
| Maximum Boom Length At 0° Boom Angle (ft) |           | 140    |       |        |       |        |       |        |

HTC-3140LB

 $2^{\circ}, 15^{\circ}, 30^{\circ}, 45^{\circ}$ 

Full

**14,000 lb**

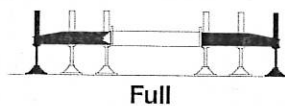
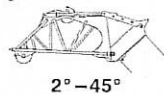


| Load Radius (ft)                          | 151' Boom |        |       |        |       |        |       |        |
|-------------------------------------------|-----------|--------|-------|--------|-------|--------|-------|--------|
|                                           | 2°        |        | 15°   |        | 30°   |        | 45°   |        |
| 35                                        | 78.5      | 17,100 |       |        |       |        |       |        |
| 40                                        | 77.0      | 17,100 |       |        |       |        |       |        |
| 45                                        | 75.5      | 17,100 | 78.0  | 17,000 |       |        |       |        |
| 50                                        | 74.5      | 17,100 | 76.5  | 16,800 | 79.0  | 15,200 |       |        |
| 55                                        | 73.0      | 17,100 | 75.0  | 16,600 | 77.5  | 15,000 | 79.0  | 13,900 |
| 60                                        | 71.5      | 17,100 | 73.5  | 16,300 | 76.0  | 14,800 | 77.5  | 13,700 |
| 65                                        | 70.0      | 17,100 | 72.0  | 16,100 | 74.0  | 14,600 | 76.0  | 13,600 |
| 70                                        | 68.5      | 17,100 | 70.5  | 15,900 | 72.5  | 14,400 | 74.5  | 13,500 |
| 75                                        | 66.5      | 15,400 | 69.0  | 15,700 | 71.0  | 14,300 | 72.5  | 13,400 |
| 80                                        | 64.5      | 13,400 | 67.0  | 14,300 | 69.5  | 14,100 | 71.0  | 13,300 |
| 85                                        | 63.0      | 11,800 | 65.0  | 12,600 | 67.5  | 13,300 | 69.5  | 13,200 |
| 90                                        | 61.0      | 10,300 | 63.0  | 11,000 | 65.5  | 11,700 | 67.5  | 12,300 |
| 95                                        | 58.5      | 9,000  | 61.0  | 9,700  | 63.5  | 10,300 | 65.0  | 10,800 |
| 100                                       | 56.5      | 7,900  | 59.0  | 8,500  | 61.5  | 9,100  | 63.0  | 9,500  |
| 105                                       | 54.5      | 6,900  | 57.0  | 7,400  | 59.0  | 8,000  | 60.5  | 8,300  |
| 110                                       | 52.5      | 6,000  | 55.0  | 6,500  | 57.0  | 7,000  | 58.5  | 7,300  |
| 115                                       | 50.0      | 5,100  | 52.5  | 5,600  | 54.5  | 6,100  | 56.0  | 6,300  |
| 120                                       | 48.0      | 4,400  | 50.5  | 4,800  | 52.5  | 5,200  | 53.5  | 5,500  |
| 125                                       | 45.5      | 3,700  | 48.0  | 4,100  | 50.0  | 4,500  | 51.0  | 4,700  |
| 130                                       | 43.0      | 3,100  | 45.5  | 3,500  | 47.5  | 3,800  | 48.0  | 4,000  |
| 135                                       | 40.5      | 2,600  | 43.0  | 2,900  | 44.5  | 3,200  | 45.5  | 3,300  |
| 140                                       | 38.0      | 2,100  | 40.0  | 2,400  | 42.0  | 2,600  |       |        |
| 145                                       | 35.0      | 1,600  | 37.5  | 1,900  | 39.0  | 2,000  |       |        |
| 150                                       | 32.0      | 1,200  | 34.0  | 1,400  | 35.5  | 1,500  |       |        |
| Min.Bm. Ang./Cap.                         | 31.5      |        | 32.0  |        | 32.0  |        | 32.0  |        |
| Radius (ft)                               | 151.1     |        | 153.8 |        | 155.0 |        | 154.2 |        |
| Maximum Boom Length At 0° Boom Angle (ft) |           | 136    |       |        |       |        |       |        |

| Rated Lifting Capacities<br>In Pounds        |             |        | 31.0' Offset Fly |        |       |        |       |        | Full      |        |       |        | 14,000 lb |        | EM<br>3 |        | 360° |  |
|----------------------------------------------|-------------|--------|------------------|--------|-------|--------|-------|--------|-----------|--------|-------|--------|-----------|--------|---------|--------|------|--|
| Load<br>Radius (ft)                          | 125.7' Boom |        |                  |        |       |        |       |        | 155' Boom |        |       |        |           |        |         |        |      |  |
|                                              | 2°          |        | 15°              |        | 30°   |        | 45°   |        | 2°        |        | 15°   |        | 30°       |        | 45°     |        |      |  |
| 30                                           | 78.0        | 27,900 |                  |        |       |        |       |        |           |        |       |        |           |        |         |        |      |  |
| 35                                           | 76.5        | 26,900 | 78.5             | 20,200 |       |        |       |        |           |        |       |        |           |        |         |        |      |  |
| 40                                           | 75.0        | 26,000 | 77.0             | 19,700 |       |        |       |        | 78.5      | 18,900 |       |        |           |        |         |        |      |  |
| 45                                           | 73.0        | 25,100 | 75.0             | 19,200 | 77.5  | 16,700 |       |        | 77.5      | 18,900 | 79.5  | 17,700 |           |        |         |        |      |  |
| 50                                           | 71.0        | 24,200 | 73.5             | 18,700 | 76.0  | 16,300 | 78.0  | 14,700 | 76.0      | 18,900 | 78.0  | 17,400 |           |        |         |        |      |  |
| 55                                           | 69.5        | 23,300 | 71.5             | 18,300 | 74.0  | 16,000 | 76.0  | 14,500 | 74.5      | 18,900 | 76.5  | 17,100 | 78.5      | 15,200 |         |        |      |  |
| 60                                           | 67.5        | 22,300 | 69.5             | 17,800 | 72.0  | 15,700 | 74.0  | 14,300 | 73.0      | 18,800 | 75.0  | 16,800 | 77.0      | 15,000 | 79.0    | 13,800 |      |  |
| 65                                           | 65.5        | 19,600 | 67.5             | 17,400 | 70.0  | 15,400 | 72.0  | 14,100 | 71.5      | 17,600 | 73.5  | 16,500 | 75.5      | 14,800 | 77.5    | 13,700 |      |  |
| 70                                           | 63.0        | 17,100 | 65.5             | 17,000 | 68.0  | 15,100 | 70.0  | 14,000 | 69.5      | 15,200 | 72.0  | 16,200 | 74.0      | 14,600 | 76.0    | 13,600 |      |  |
| 75                                           | 61.0        | 14,800 | 63.5             | 15,700 | 66.0  | 14,900 | 68.0  | 13,900 | 68.0      | 12,900 | 70.5  | 14,100 | 72.5      | 14,400 | 74.0    | 13,500 |      |  |
| 80                                           | 58.5        | 12,800 | 61.5             | 13,700 | 64.0  | 14,600 | 65.5  | 13,800 | 66.0      | 11,000 | 68.5  | 12,100 | 71.0      | 13,100 | 72.5    | 13,400 |      |  |
| 85                                           | 56.0        | 11,100 | 59.0             | 11,900 | 61.5  | 12,700 | 63.5  | 13,300 | 64.0      | 9,400  | 66.5  | 10,300 | 69.0      | 11,300 | 70.5    | 12,000 |      |  |
| 90                                           | 54.0        | 9,700  | 56.5             | 10,400 | 59.0  | 11,100 | 60.5  | 11,600 | 62.0      | 7,900  | 64.5  | 8,800  | 66.5      | 9,700  | 68.5    | 10,300 |      |  |
| 95                                           | 51.5        | 8,400  | 54.0             | 9,100  | 56.5  | 9,700  | 58.0  | 10,100 | 60.0      | 6,700  | 62.5  | 7,500  | 64.5      | 8,300  | 66.5    | 8,900  |      |  |
| 100                                          | 48.5        | 7,300  | 51.5             | 7,900  | 53.5  | 8,400  | 55.0  | 8,800  | 58.0      | 5,600  | 60.5  | 6,300  | 62.5      | 7,000  | 64.5    | 7,500  |      |  |
| 105                                          | 46.0        | 6,300  | 48.5             | 6,800  | 51.0  | 7,300  | 52.5  | 7,600  | 56.0      | 4,600  | 58.5  | 5,300  | 60.5      | 5,900  | 62.0    | 6,400  |      |  |
| 110                                          | 43.5        | 5,400  | 46.0             | 5,900  | 48.0  | 6,300  | 49.0  | 6,500  | 54.0      | 3,700  | 56.5  | 4,300  | 58.5      | 4,900  | 60.0    | 5,300  |      |  |
| 115                                          | 40.5        | 4,600  | 43.0             | 5,000  | 45.0  | 5,400  | 46.0  | 5,500  | 52.0      | 2,900  | 54.0  | 3,500  | 56.5      | 4,000  | 57.5    | 4,400  |      |  |
| 120                                          | 37.5        | 3,900  | 40.0             | 4,200  | 41.5  | 4,500  |       |        | 50.0      | 2,200  | 52.0  | 2,700  | 54.0      | 3,200  | 55.5    | 3,500  |      |  |
| 125                                          | 34.0        | 3,200  | 36.5             | 3,500  | 38.0  | 3,800  |       |        | 47.5      | 1,500  | 50.0  | 2,000  | 51.5      | 2,400  | 53.0    | 2,700  |      |  |
| 130                                          | 30.0        | 2,600  | 32.5             | 2,900  | 34.0  | 3,100  |       |        |           |        | 47.5  | 1,400  | 49.5      | 1,800  | 50.5    | 2,000  |      |  |
| 135                                          | 26.0        | 2,100  | 28.5             | 2,300  |       |        |       |        |           |        |       |        |           |        |         |        |      |  |
| 140                                          | 21.0        | 1,600  | 23.5             | 1,700  |       |        |       |        |           |        |       |        |           |        |         |        |      |  |
| 145                                          |             |        | 16.5             | 1,200  |       |        |       |        |           |        |       |        |           |        |         |        |      |  |
| Min.Bm.<br>Ang./Cap.                         | 14.5        |        | 12.0             |        | 6.5   |        | 9.0   |        | 46.5      |        | 47.0  |        | 47.0      |        | 47.5    |        |      |  |
| Radius (ft)                                  | 145.0       |        | 145.8            |        | 145.9 |        | 142.3 |        | 127.0     |        | 131.5 |        | 135.0     |        | 135.5   |        |      |  |
| Maximum Boom Length At<br>0° Boom Angle (ft) |             |        | 124              |        |       |        |       |        |           |        |       |        |           |        |         |        |      |  |

# Rated Lifting Capacities In Pounds

## 10.0' Hydraulic Offset Fly



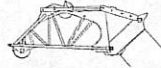
14,000 lb



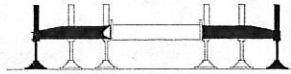
| Load<br>Radius (ft)  | Boom Length (ft) |            |           |           |           |           |           |           |          |          |          |
|----------------------|------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
|                      | 42.3             | 55.0       | 70.0      | 85.0      | 100.0     | 115.0     | 130.0     | 145.0     | 160.0    | 175.0    | 185.0    |
| 10                   | 51,800           | 51,800     |           |           |           |           |           |           |          |          |          |
| 12                   | 47,200           | 51,800     | 48,600    |           |           |           |           |           |          |          |          |
| 15                   | 46,200           | 46,600     | 48,600    | 44,000    |           |           |           |           |          |          |          |
| 20                   | 45,000           | 45,500     | 45,000    | 43,700    | 36,900    |           |           |           |          |          |          |
| 25                   | 44,400           | 44,600     | 44,200    | 43,100    | 36,900    | 29,100    | 24,500    |           |          |          |          |
| 30                   | 44,400           | 44,200     | 43,700    | 42,700    | 36,900    | 29,100    | 24,500    | 23,100    | 20,200   | 15,200   |          |
| 35                   | 44,400           | 44,100     | 41,600    | 41,500    | 35,200    | 29,100    | 24,500    | 23,100    | 20,200   | 15,200   | 14,100   |
| 40                   | 44,300           | 44,100     | 37,700    | 37,600    | 32,100    | 29,100    | 24,500    | 23,100    | 20,200   | 15,200   | 14,100   |
| 45                   |                  | 37,800     | 34,500    | 34,500    | 29,300    | 29,100    | 24,500    | 23,100    | 20,200   | 15,200   | 14,100   |
| 50                   |                  | 31,000     | 31,900    | 31,700    | 26,800    | 27,700    | 24,500    | 23,100    | 20,200   | 15,200   | 14,100   |
| 55                   |                  | 25,800     | 27,600    | 28,200    | 24,700    | 25,500    | 22,800    | 23,100    | 20,200   | 15,200   | 14,100   |
| 60                   |                  |            | 23,500    | 24,100    | 22,800    | 23,600    | 20,900    | 22,200    | 20,200   | 15,200   | 14,100   |
| 65                   |                  |            | 20,200    | 20,700    | 21,100    | 20,800    | 19,300    | 19,900    | 18,900   | 15,200   | 14,100   |
| 70                   |                  |            | 17,500    | 18,000    | 18,300    | 18,100    | 17,800    | 17,200    | 16,900   | 15,200   | 14,100   |
| 75                   |                  |            |           | 15,800    | 16,100    | 15,900    | 15,700    | 15,100    | 14,600   | 13,800   | 13,300   |
| 80                   |                  |            |           | 13,800    | 14,200    | 13,900    | 13,700    | 13,200    | 12,700   | 11,900   | 11,400   |
| 85                   |                  |            |           | 12,200    | 12,500    | 12,300    | 12,100    | 11,500    | 11,000   | 10,200   | 9,700    |
| 90                   |                  |            |           |           | 11,000    | 10,800    | 10,600    | 10,000    | 9,500    | 8,800    | 8,300    |
| 95                   |                  |            |           |           | 9,800     | 9,500     | 9,300     | 8,800     | 8,300    | 7,500    | 7,000    |
| 100                  |                  |            |           |           | 8,600     | 8,400     | 8,200     | 7,600     | 7,100    | 6,400    | 5,900    |
| 105                  |                  |            |           |           |           | 7,400     | 7,200     | 6,600     | 6,100    | 5,400    | 4,900    |
| 110                  |                  |            |           |           |           | 6,500     | 6,300     | 5,700     | 5,200    | 4,500    | 4,000    |
| 115                  |                  |            |           |           |           | 5,700     | 5,500     | 4,900     | 4,400    | 3,700    | 3,200    |
| 120                  |                  |            |           |           |           |           | 4,700     | 4,200     | 3,700    | 3,000    | 2,500    |
| 125                  |                  |            |           |           |           |           | 4,000     | 3,500     | 3,000    | 2,300    | 1,900    |
| 130                  |                  |            |           |           |           |           | 3,500     | 2,900     | 2,400    | 1,700    |          |
| 135                  |                  |            |           |           |           |           |           | 2,400     | 1,900    |          |          |
| 140                  |                  |            |           |           |           |           |           | 1,800     | 1,400    |          |          |
| 145                  |                  |            |           |           |           |           |           | 1,400     |          |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 31,600       | 0 / 17,200 | 0 / 9,600 | 0 / 7,800 | 0 / 6,300 | 0 / 5,000 | 0 / 3,400 | 0 / 1,300 | 30.0 / 0 | 42.0 / 0 | 47.5 / 0 |
| Radius (ft)          | 44.0             | 56.5       | 71.5      | 86.5      | 101.5     | 116.5     | 131.5     | 146.5     | 142.5    | 135.0    | 130.0    |

# Rated Lifting Capacities In Pounds

## 10.0' Hydraulic Offset Fly



2° - 45°



Full

14,000 lb



| Load<br>Radius (ft)  | Boom Length (ft) |            |            |           |           |           |           |          |          |          |          |
|----------------------|------------------|------------|------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
|                      | 42.3             | 55.0       | 70.0       | 85.0      | 100.0     | 115.0     | 130.0     | 145.0    | 160.0    | 170.0    | 180.3    |
| 10                   | 51,800           | 51,800     |            |           |           |           |           |          |          |          |          |
| 12                   | 47,200           | 51,800     | 51,800     |           |           |           |           |          |          |          |          |
| 15                   | 46,200           | 46,600     | 51,000     | 51,800    |           |           |           |          |          |          |          |
| 20                   | 45,000           | 45,500     | 45,100     | 44,000    | 40,300    |           |           |          |          |          |          |
| 25                   | 44,400           | 44,600     | 44,400     | 43,400    | 40,300    | 31,400    | 28,700    |          |          |          |          |
| 30                   | 44,400           | 44,200     | 43,800     | 42,900    | 40,300    | 31,400    | 28,700    | 25,900   | 24,000   |          |          |
| 35                   | 44,400           | 44,100     | 43,200     | 41,100    | 37,400    | 31,400    | 28,700    | 25,900   | 24,000   | 22,200   | 19,500   |
| 40                   | 44,300           | 44,100     | 39,200     | 37,200    | 34,300    | 31,400    | 28,700    | 25,900   | 24,000   | 22,200   | 19,500   |
| 45                   |                  | 37,800     | 36,000     | 34,200    | 31,400    | 30,000    | 28,700    | 25,900   | 24,000   | 22,200   | 19,500   |
| 50                   |                  | 31,000     | 32,800     | 31,400    | 28,800    | 27,500    | 26,800    | 25,900   | 24,000   | 22,200   | 19,500   |
| 55                   |                  | 25,800     | 27,500     | 26,100    | 26,600    | 25,300    | 24,700    | 24,100   | 24,000   | 22,200   | 19,500   |
| 60                   |                  |            | 23,400     | 23,900    | 24,100    | 23,300    | 22,900    | 22,200   | 21,900   | 21,300   | 19,500   |
| 65                   |                  |            | 20,100     | 20,600    | 20,800    | 20,500    | 20,000    | 19,400   | 18,600   | 18,000   | 17,500   |
| 70                   |                  |            | 17,400     | 17,900    | 18,000    | 17,700    | 17,300    | 16,900   | 16,100   | 15,600   | 15,000   |
| 75                   |                  |            |            | 15,700    | 15,800    | 15,600    | 15,200    | 14,600   | 13,900   | 13,300   | 12,800   |
| 80                   |                  |            |            | 13,700    | 13,900    | 13,700    | 13,200    | 12,700   | 11,900   | 11,400   | 10,900   |
| 85                   |                  |            |            | 12,000    | 12,200    | 12,000    | 11,600    | 11,000   | 10,300   | 9,700    | 9,200    |
| 90                   |                  |            |            |           | 10,700    | 10,500    | 10,100    | 9,500    | 8,800    | 8,300    | 7,800    |
| 95                   |                  |            |            |           | 9,500     | 9,200     | 8,800     | 8,300    | 7,600    | 7,000    | 6,500    |
| 100                  |                  |            |            |           | 8,300     | 8,100     | 7,700     | 7,200    | 6,400    | 5,900    | 5,400    |
| 105                  |                  |            |            |           |           | 7,100     | 6,700     | 6,200    | 5,400    | 4,900    | 4,500    |
| 110                  |                  |            |            |           |           | 6,200     | 5,800     | 5,300    | 4,600    | 4,000    | 3,600    |
| 115                  |                  |            |            |           |           | 5,400     | 5,000     | 4,500    | 3,800    | 3,200    | 2,800    |
| 120                  |                  |            |            |           |           |           | 4,300     | 3,700    | 3,000    | 2,500    | 2,100    |
| 125                  |                  |            |            |           |           |           | 3,600     | 3,100    | 2,400    | 1,900    | 1,400    |
| 130                  |                  |            |            |           |           |           | 3,000     | 2,500    | 1,800    | 1,300    |          |
| 135                  |                  |            |            |           |           |           |           | 1,900    |          |          |          |
| 140                  |                  |            |            |           |           |           |           | 1,400    |          |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 31,600       | 0 / 17,200 | 0 / 10,200 | 0 / 8,600 | 0 / 7,000 | 0 / 5,200 | 0 / 2,900 | 13.5 / 0 | 35.0 / 0 | 42.0 / 0 | 48.0 / 0 |
| Radius (ft)          | 44.0             | 56.5       | 71.5       | 86.5      | 101.5     | 116.5     | 131.5     | 142.3    | 135.0    | 130.6    | 126.2    |

J8P0081

60 of 336

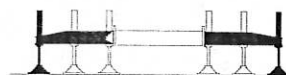
HTC-3140LB

# Rated Lifting Capacities In Pounds

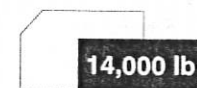
## 10.0' Hydraulic Offset Fly



2° - 45°



Full



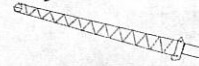
14,000 lb



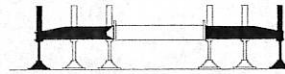
| Load<br>Radius (ft)  | Boom Length (ft) |            |            |            |           |           |          |          |          |
|----------------------|------------------|------------|------------|------------|-----------|-----------|----------|----------|----------|
|                      | 42.3             | 55.0       | 70.0       | 85.0       | 100.0     | 115.0     | 130.0    | 145.0    | 155.0    |
| 10                   | 51,800           | 51,800     |            |            |           |           |          |          |          |
| 12                   | 47,200           | 51,800     | 51,800     |            |           |           |          |          |          |
| 15                   | 46,200           | 46,600     | 51,800     | 51,800     |           |           |          |          |          |
| 20                   | 45,000           | 45,500     | 45,700     | 45,300     | 51,000    |           |          |          |          |
| 25                   | 44,400           | 44,600     | 44,900     | 44,600     | 43,200    | 45,600    | 40,000   |          |          |
| 30                   | 44,400           | 44,200     | 44,300     | 44,100     | 42,800    | 41,800    | 40,000   | 35,900   | 28,500   |
| 35                   | 44,400           | 44,100     | 43,900     | 43,600     | 41,000    | 40,500    | 38,000   | 35,900   | 28,500   |
| 40                   | 44,300           | 44,100     | 43,700     | 43,300     | 37,200    | 36,700    | 34,500   | 35,700   | 28,500   |
| 45                   |                  | 37,800     | 38,900     | 38,800     | 34,300    | 33,700    | 31,600   | 32,900   | 28,500   |
| 50                   |                  | 31,000     | 32,100     | 32,000     | 31,500    | 30,900    | 29,000   | 29,300   | 28,000   |
| 55                   |                  | 25,800     | 26,800     | 26,800     | 26,500    | 25,900    | 25,200   | 24,200   | 23,600   |
| 60                   |                  |            | 22,700     | 22,600     | 22,400    | 21,800    | 21,100   | 20,100   | 19,600   |
| 65                   |                  |            | 19,400     | 19,300     | 19,100    | 18,500    | 17,800   | 17,100   | 16,600   |
| 70                   |                  |            | 16,800     | 16,700     | 16,600    | 16,000    | 15,300   | 14,400   | 13,900   |
| 75                   |                  |            |            | 14,500     | 14,300    | 13,700    | 13,100   | 12,200   | 11,700   |
| 80                   |                  |            |            | 12,500     | 12,300    | 11,800    | 11,200   | 10,300   | 9,800    |
| 85                   |                  |            |            | 10,800     | 10,700    | 10,100    | 9,500    | 8,700    | 8,200    |
| 90                   |                  |            |            |            | 9,200     | 8,700     | 8,100    | 7,200    | 6,800    |
| 95                   |                  |            |            |            | 8,000     | 7,400     | 6,800    | 6,000    | 5,500    |
| 100                  |                  |            |            |            | 6,900     | 6,300     | 5,700    | 4,900    | 4,400    |
| 105                  |                  |            |            |            |           | 5,300     | 4,700    | 3,900    | 3,400    |
| 110                  |                  |            |            |            |           | 4,400     | 3,800    | 3,000    | 2,600    |
| 115                  |                  |            |            |            |           | 3,600     | 3,100    | 2,200    | 1,800    |
| 120                  |                  |            |            |            |           |           | 2,300    | 1,500    |          |
| 125                  |                  |            |            |            |           |           | 1,700    |          |          |
| Min.Bm.<br>Ang./Cap. | 0 / 31,600       | 0 / 17,200 | 0 / 14,400 | 0 / 10,500 | 0 / 6,600 | 0 / 3,500 | 13.5 / 0 | 36.0 / 0 | 42.5 / 0 |
| Radius (ft)          | 44.0             | 56.5       | 71.5       | 86.5       | 101.5     | 116.5     | 127.9    | 121.9    | 118.3    |

# Rated Lifting Capacities In Pounds

## 31.0' Hydraulic Offset Fly



2° - 45°



Full

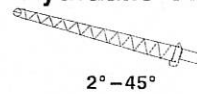
14,000 lb



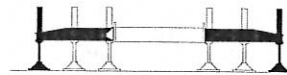
| Load<br>Radius (ft)  | Boom Length (ft) |          |          |         |         |         |         |         |         |         |         |         |        |        |        |
|----------------------|------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
|                      | 42.3             |          |          | 71.2    |         |         | 100.9   |         |         | 131.5   |         |         | 162.9  |        |        |
| Offset In °          | 2-15             | 15-30    | 30-45    | 2-15    | 15-30   | 30-45   | 2-15    | 15-30   | 30-45   | 2-15    | 15-30   | 30-45   | 2-15   | 15-30  | 30-45  |
| 15                   | 26,100           | 26,100   |          | 32,200  |         |         |         |         |         |         |         |         |        |        |        |
| 20                   | 23,600           | 23,600   |          | 24,400  | 24,400  |         |         |         |         |         |         |         |        |        |        |
| 25                   | 21,600           | 17,700   | 17,700   | 22,900  | 22,900  |         | 24,700  |         |         |         |         |         |        |        |        |
| 30                   | 18,900           | 16,700   | 15,200   | 20,200  | 17,300  | 17,300  | 18,300  | 18,300  |         | 15,800  |         |         |        |        |        |
| 35                   | 17,700           | 15,900   | 14,700   | 19,200  | 16,700  | 15,000  | 17,900  | 16,000  | 16,000  | 15,800  | 15,800  |         |        |        |        |
| 40                   | 16,600           | 15,200   | 14,200   | 18,300  | 16,100  | 14,600  | 17,500  | 15,600  | 15,600  | 15,800  | 15,800  |         | 13,200 |        |        |
| 45                   | 15,700           | 14,600   | 13,900   | 17,600  | 15,600  | 14,300  | 17,100  | 15,300  | 14,100  | 15,800  | 14,600  | 14,600  | 13,200 | 13,200 |        |
| 50                   | 14,900           | 14,100   | 13,800   | 16,900  | 15,100  | 14,100  | 16,700  | 15,000  | 13,900  | 15,800  | 14,400  | 13,400  | 13,200 | 13,200 |        |
| 55                   | 14,300           | 13,800   | 13,800   | 16,200  | 14,700  | 13,900  | 16,300  | 14,700  | 13,700  | 15,600  | 14,200  | 13,300  | 13,200 | 13,200 | 13,400 |
| 60                   | 13,900           | 13,800   | 13,800   | 15,600  | 14,400  | 13,700  | 15,900  | 14,400  | 13,500  | 15,400  | 14,000  | 13,200  | 13,200 | 13,200 | 12,600 |
| 65                   |                  |          |          | 15,100  | 14,100  | 13,600  | 15,600  | 14,200  | 13,400  | 15,100  | 13,900  | 13,000  | 13,200 | 13,200 | 12,500 |
| 70                   |                  |          |          | 14,700  | 13,900  | 13,600  | 15,200  | 14,000  | 13,300  | 14,900  | 13,700  | 13,000  | 13,200 | 13,100 | 12,500 |
| 75                   |                  |          |          | 14,300  | 13,700  | 13,600  | 14,900  | 13,800  | 13,300  | 14,400  | 13,500  | 12,900  | 13,200 | 13,000 | 12,400 |
| 80                   |                  |          |          | 14,000  | 13,600  | 13,600  | 14,600  | 13,600  | 13,200  | 13,300  | 13,400  | 12,800  | 12,900 | 12,900 | 12,300 |
| 85                   |                  |          |          | 13,600  | 13,600  | 13,600  | 13,500  | 13,500  | 13,200  | 12,400  | 12,600  | 12,800  | 11,400 | 12,200 | 12,300 |
| 90                   |                  |          |          | 12,200  | 12,400  |         | 12,100  | 12,600  | 13,000  | 11,200  | 11,700  | 11,900  | 9,900  | 10,700 | 11,500 |
| 95                   |                  |          |          |         |         |         | 10,800  | 11,200  | 11,600  | 9,900   | 10,500  | 11,100  | 8,700  | 9,400  | 10,100 |
| 100                  |                  |          |          |         |         |         | 9,600   | 10,000  | 10,300  | 8,800   | 9,300   | 9,800   | 7,500  | 8,200  | 8,800  |
| 105                  |                  |          |          |         |         |         | 8,600   | 8,900   | 9,200   | 7,800   | 8,300   | 8,700   | 6,500  | 7,100  | 7,700  |
| 110                  |                  |          |          |         |         |         | 7,700   | 7,900   | 8,100   | 6,900   | 7,300   | 7,700   | 5,600  | 6,200  | 6,700  |
| 115                  |                  |          |          |         |         |         | 6,900   | 7,100   |         | 6,000   | 6,400   | 6,800   | 4,800  | 5,300  | 5,800  |
| 120                  |                  |          |          |         |         |         | 6,100   | 6,200   |         | 5,300   | 5,600   | 5,900   | 4,000  | 4,500  | 5,000  |
| 125                  |                  |          |          |         |         |         |         |         |         | 4,600   | 4,900   | 5,200   | 3,400  | 3,800  | 4,200  |
| 130                  |                  |          |          |         |         |         |         |         |         | 4,000   | 4,300   | 4,500   | 2,800  | 3,200  | 3,500  |
| 135                  |                  |          |          |         |         |         |         |         |         | 3,500   | 3,700   | 3,800   | 2,200  | 2,600  | 2,900  |
| 140                  |                  |          |          |         |         |         |         |         |         | 2,900   | 3,100   | 3,200   | 1,700  | 2,000  | 2,300  |
| 145                  |                  |          |          |         |         |         |         |         |         | 2,500   | 2,600   |         | 1,200  | 1,500  | 1,800  |
| 150                  |                  |          |          |         |         |         |         |         |         | 2,100   | 2,100   |         |        |        | 1,300  |
| Min.Bm.<br>Ang./Cap. | 0/13,900         | 0/13,800 | 0/13,800 | 0/6,800 | 0/6,800 | 0/7,100 | 0/5,000 | 0/5,100 | 0/5,300 | 0/1,800 | 0/1,800 | 0/1,900 | 42.0/0 | 43.0/0 | 43.0/0 |
| Radius (ft)          | 64.7             | 64.7     | 63.6     | 93.7    | 93.5    | 91.9    | 123.4   | 123.1   | 121.3   | 154.0   | 153.6   | 151.7   | 146.3  | 149.8  | 152.0  |

# Rated Lifting Capacities In Pounds

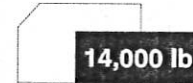
## 31.0' Hydraulic Offset Fly



2° - 45°



Full



14,000 lb



360°

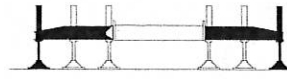
| Load<br>Radius (ft)  | Boom Length (ft) |          |          |         |         |         |         |         |         |         |         |         |        |        |        |
|----------------------|------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
|                      | 42.3             |          |          | 68.2    |         |         | 94.9    |         |         | 122.5   |         |         | 150.9  |        |        |
| Offset In °          | 2-15             | 15-30    | 30-45    | 2-15    | 15-30   | 30-45   | 2-15    | 15-30   | 30-45   | 2-15    | 15-30   | 30-45   | 2-15   | 15-30  | 30-45  |
| 15                   | 26,100           | 26,100   |          | 33,100  |         |         |         |         |         |         |         |         |        |        |        |
| 20                   | 23,600           | 23,600   |          | 24,600  | 24,600  |         | 27,000  |         |         |         |         |         |        |        |        |
| 25                   | 21,600           | 17,700   | 17,700   | 23,100  | 23,100  |         | 19,600  | 19,600  |         |         |         |         |        |        |        |
| 30                   | 18,900           | 16,700   | 15,200   | 21,700  | 17,400  | 17,400  | 19,100  | 19,100  |         | 18,300  |         |         |        |        |        |
| 35                   | 17,700           | 15,900   | 14,700   | 19,300  | 16,700  | 15,000  | 18,600  | 16,400  | 16,400  | 17,600  | 17,600  |         | 16,100 |        |        |
| 40                   | 16,600           | 15,200   | 14,200   | 18,400  | 16,100  | 14,700  | 18,100  | 16,000  | 14,500  | 17,300  | 15,500  | 15,500  | 16,100 | 16,100 |        |
| 45                   | 15,700           | 14,600   | 13,900   | 17,500  | 15,600  | 14,300  | 17,600  | 15,600  | 14,300  | 17,000  | 15,300  | 14,000  | 16,100 | 16,100 |        |
| 50                   | 14,900           | 14,100   | 13,800   | 16,800  | 15,100  | 14,100  | 17,100  | 15,300  | 14,100  | 16,700  | 15,000  | 13,800  | 16,000 | 14,600 | 14,600 |
| 55                   | 14,300           | 13,800   | 13,800   | 16,100  | 14,700  | 13,900  | 16,700  | 14,900  | 13,900  | 16,400  | 14,800  | 13,700  | 15,800 | 14,400 | 13,300 |
| 60                   | 13,900           | 13,800   | 13,800   | 15,600  | 14,400  | 13,700  | 16,200  | 14,600  | 13,700  | 16,100  | 14,500  | 13,500  | 15,600 | 14,200 | 13,200 |
| 65                   |                  |          |          | 15,000  | 14,100  | 13,700  | 15,800  | 14,400  | 13,600  | 15,800  | 14,300  | 13,400  | 15,400 | 14,000 | 13,100 |
| 70                   |                  |          |          | 14,600  | 13,800  | 13,700  | 15,400  | 14,100  | 13,500  | 15,500  | 14,100  | 13,300  | 15,200 | 13,900 | 13,000 |
| 75                   |                  |          |          | 14,200  | 13,700  | 13,700  | 15,000  | 13,900  | 13,400  | 15,200  | 13,900  | 13,200  | 14,900 | 13,700 | 12,900 |
| 80                   |                  |          |          | 13,900  | 13,700  | 13,700  | 14,700  | 13,700  | 13,400  | 14,200  | 13,700  | 13,100  | 13,100 | 13,600 | 12,900 |
| 85                   |                  |          |          | 13,500  | 13,700  |         | 13,500  | 13,600  | 13,400  | 12,700  | 13,400  | 13,100  | 11,400 | 12,300 | 12,800 |
| 90                   |                  |          |          | 12,100  |         |         | 12,000  | 12,500  | 12,900  | 11,200  | 11,800  | 12,400  | 10,000 | 10,700 | 11,500 |
| 95                   |                  |          |          |         |         |         | 10,700  | 11,100  | 11,400  | 9,900   | 10,500  | 11,000  | 8,700  | 9,400  | 10,000 |
| 100                  |                  |          |          |         |         |         | 9,500   | 9,900   | 10,100  | 8,800   | 9,300   | 9,700   | 7,500  | 8,200  | 8,800  |
| 105                  |                  |          |          |         |         |         | 8,500   | 8,800   | 8,900   | 7,800   | 8,200   | 8,600   | 6,500  | 7,100  | 7,700  |
| 110                  |                  |          |          |         |         |         | 7,600   | 7,800   |         | 6,800   | 7,200   | 7,600   | 5,600  | 6,200  | 6,700  |
| 115                  |                  |          |          |         |         |         | 6,800   | 6,900   |         | 6,000   | 6,400   | 6,700   | 4,800  | 5,300  | 5,800  |
| 120                  |                  |          |          |         |         |         |         |         |         | 5,300   | 5,600   | 5,800   | 4,100  | 4,500  | 4,900  |
| 125                  |                  |          |          |         |         |         |         |         |         | 4,600   | 4,900   | 5,100   | 3,400  | 3,800  | 4,200  |
| 130                  |                  |          |          |         |         |         |         |         |         | 4,000   | 4,200   | 4,300   | 2,800  | 3,200  | 3,500  |
| 135                  |                  |          |          |         |         |         |         |         |         | 3,500   | 3,600   |         | 2,200  | 2,600  | 2,900  |
| 140                  |                  |          |          |         |         |         |         |         |         | 3,000   | 3,100   |         | 1,700  | 2,000  | 2,300  |
| 145                  |                  |          |          |         |         |         |         |         |         | 2,500   |         |         | 1,300  | 1,500  | 1,700  |
| 150                  |                  |          |          |         |         |         |         |         |         |         |         |         |        |        | 1,200  |
| Min.Bm.<br>Ang./Cap. | 0/13,900         | 0/13,800 | 0/13,800 | 0/7,300 | 0/7,400 | 0/7,700 | 0/5,600 | 0/5,700 | 0/5,900 | 0/2,600 | 0/2,600 | 0/2,700 | 36.5/0 | 36.5/0 | 37.0/0 |
| Radius (ft)          | 64.7             | 64.7     | 63.6     | 90.7    | 90.5    | 89.0    | 117.4   | 117.1   | 115.4   | 145.5   | 144.7   | 142.7   | 147.0  | 150.0  | 151.0  |

# Rated Lifting Capacities In Pounds

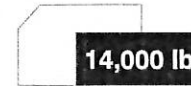
## 31.0' Hydraulic Offset Fly



2° - 45°



Full



14,000 lb



| Load<br>Radius (ft)   | Boom Length (ft) |          |          |          |          |          |         |         |         |         |         |         |        |        |        |        |        |        |
|-----------------------|------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
|                       | 42.3             |          |          | 55.5     |          |          | 69.6    |         |         | 97.2    |         |         | 125.7  |        |        | 155.0  |        |        |
| Offset In °           | 2-15             | 15-30    | 30-45    | 2-15     | 15-30    | 30-45    | 2-15    | 15-30   | 30-45   | 2-15    | 15-30   | 30-45   | 2-15   | 15-30  | 30-45  | 2-15   | 15-30  | 30-45  |
| 15                    | 26,100           | 26,100   |          | 34,000   |          |          | 34,500  |         |         |         |         |         |        |        |        |        |        |        |
| 20                    | 23,600           | 23,600   |          | 24,500   | 24,500   |          | 25,100  | 25,100  |         |         |         |         |        |        |        |        |        |        |
| 25                    | 21,600           | 17,700   | 17,700   | 22,700   | 18,200   | 18,200   | 23,500  | 23,500  |         | 23,700  | 23,700  |         |        |        |        |        |        |        |
| 30                    | 18,900           | 16,700   | 15,200   | 20,000   | 17,300   | 15,400   | 20,800  | 17,600  | 17,600  | 22,600  | 22,600  |         | 26,700 |        |        |        |        |        |
| 35                    | 17,700           | 15,900   | 14,700   | 18,800   | 16,500   | 15,000   | 19,700  | 16,900  | 15,200  | 21,600  | 17,100  | 17,100  | 19,400 | 19,400 |        |        |        |        |
| 40                    | 16,600           | 15,200   | 14,200   | 17,800   | 15,800   | 14,500   | 18,700  | 16,300  | 14,800  | 19,300  | 16,600  | 14,900  | 18,900 | 16,400 | 16,400 | 16,700 |        |        |
| 45                    | 15,700           | 14,600   | 13,900   | 16,900   | 15,200   | 14,200   | 17,900  | 15,800  | 14,500  | 18,600  | 16,200  | 14,600  | 18,500 | 16,100 | 16,100 | 17,400 | 17,400 |        |
| 50                    | 14,900           | 14,100   | 13,800   | 16,100   | 14,800   | 14,000   | 17,100  | 15,300  | 14,200  | 18,000  | 15,700  | 14,300  | 18,000 | 15,700 | 14,300 | 17,100 | 15,200 | 15,200 |
| 55                    | 14,300           | 13,800   | 13,800   | 15,400   | 14,300   | 13,800   | 16,400  | 14,900  | 14,000  | 17,400  | 15,400  | 14,100  | 17,600 | 15,400 | 14,100 | 16,800 | 15,000 | 13,700 |
| 60                    | 13,900           | 13,800   | 13,800   | 14,800   | 14,000   | 13,700   | 15,800  | 14,500  | 13,800  | 16,900  | 15,000  | 13,900  | 17,100 | 15,100 | 13,900 | 16,500 | 14,800 | 13,600 |
| 65                    |                  |          |          | 14,300   | 13,800   | 13,700   | 15,200  | 14,200  | 13,700  | 16,400  | 14,700  | 13,800  | 16,700 | 14,900 | 13,800 | 16,300 | 14,600 | 13,500 |
| 70                    |                  |          |          | 14,000   | 13,800   | 13,700   | 14,800  | 14,000  | 13,700  | 15,900  | 14,400  | 13,700  | 16,400 | 14,600 | 13,600 | 14,900 | 14,400 | 13,400 |
| 75                    |                  |          |          | 13,800   | 13,800   |          | 14,400  | 13,800  | 13,700  | 15,500  | 14,200  | 13,600  | 14,500 | 14,400 | 13,500 | 12,600 | 13,800 | 13,300 |
| 80                    |                  |          |          |          |          |          | 14,000  | 13,700  | 13,700  | 13,900  | 14,000  | 13,500  | 12,500 | 13,400 | 13,400 | 10,700 | 11,800 | 12,900 |
| 85                    |                  |          |          |          |          |          | 13,000  | 13,300  | 13,600  | 12,200  | 12,800  | 13,400  | 10,800 | 11,600 | 12,400 | 9,000  | 10,000 | 11,000 |
| 90                    |                  |          |          |          |          |          | 11,600  | 11,700  |         | 10,700  | 11,300  | 11,800  | 9,400  | 10,100 | 10,800 | 7,600  | 8,500  | 9,400  |
| 95                    |                  |          |          |          |          |          |         |         |         | 9,400   | 9,900   | 10,300  | 8,100  | 8,800  | 9,400  | 6,400  | 7,200  | 8,000  |
| 100                   |                  |          |          |          |          |          |         |         |         | 8,300   | 8,700   | 9,000   | 7,000  | 7,600  | 8,100  | 5,200  | 6,000  | 6,700  |
| 105                   |                  |          |          |          |          |          |         |         |         | 7,300   | 7,600   | 7,900   | 6,000  | 6,500  | 7,000  | 4,300  | 5,000  | 5,600  |
| 110                   |                  |          |          |          |          |          |         |         |         | 6,400   | 6,700   | 6,700   | 5,100  | 5,600  | 6,000  | 3,400  | 4,000  | 4,600  |
| 115                   |                  |          |          |          |          |          |         |         |         | 5,600   | 5,800   |         | 4,300  | 4,700  | 5,100  | 2,600  | 3,200  | 3,700  |
| 120                   |                  |          |          |          |          |          |         |         |         |         |         |         | 3,500  | 3,900  | 4,200  | 1,900  | 2,400  | 2,900  |
| 125                   |                  |          |          |          |          |          |         |         |         |         |         |         | 2,900  | 3,200  | 3,500  |        | 1,700  | 2,100  |
| 130                   |                  |          |          |          |          |          |         |         |         |         |         |         | 2,300  | 2,600  | 2,700  |        |        | 1,500  |
| 135                   |                  |          |          |          |          |          |         |         |         |         |         |         | 1,700  | 2,000  | 2,000  |        |        |        |
| 140                   |                  |          |          |          |          |          |         |         |         |         |         |         | 1,200  | 1,400  |        |        |        |        |
| Min. Bm.<br>Ang./Cap. | 0/13,900         | 0/13,800 | 0/13,800 | 0/10,600 | 0/10,800 | 0/11,300 | 0/9,300 | 0/9,400 | 0/9,900 | 0/5,000 | 0/5,000 | 0/5,500 | 21.5/0 | 21.0/0 | 16.5/0 | 49.0/0 | 49.0/0 | 49.5/0 |
| Radius (ft)           | 64.7             | 64.7     | 63.6     | 78.0     | 77.9     | 76.5     | 92.1    | 91.9    | 90.4    | 119.7   | 119.4   | 117.6   | 141.3  | 142.2  | 140.0  | 123.6  | 128.3  | 131.9  |