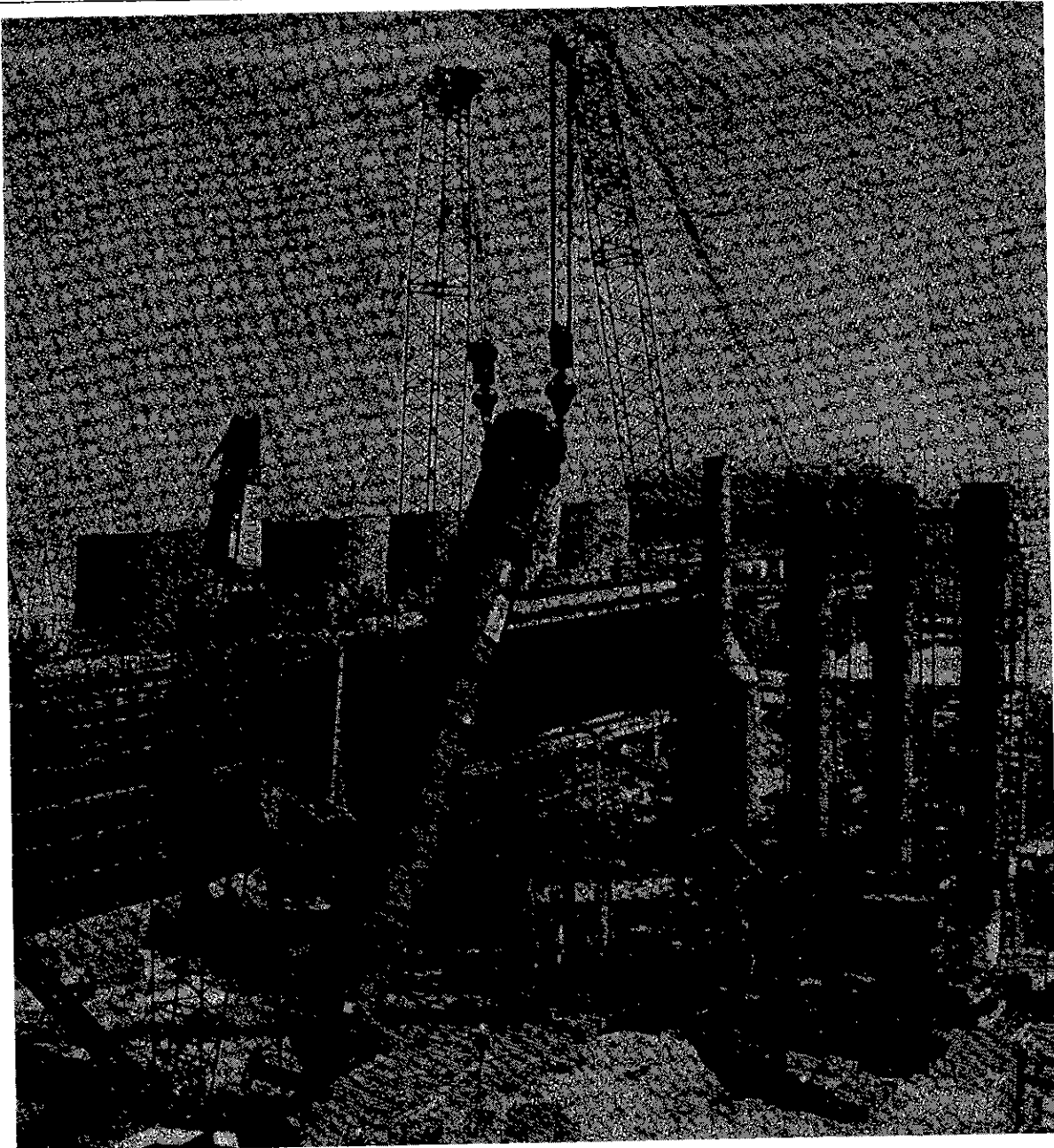




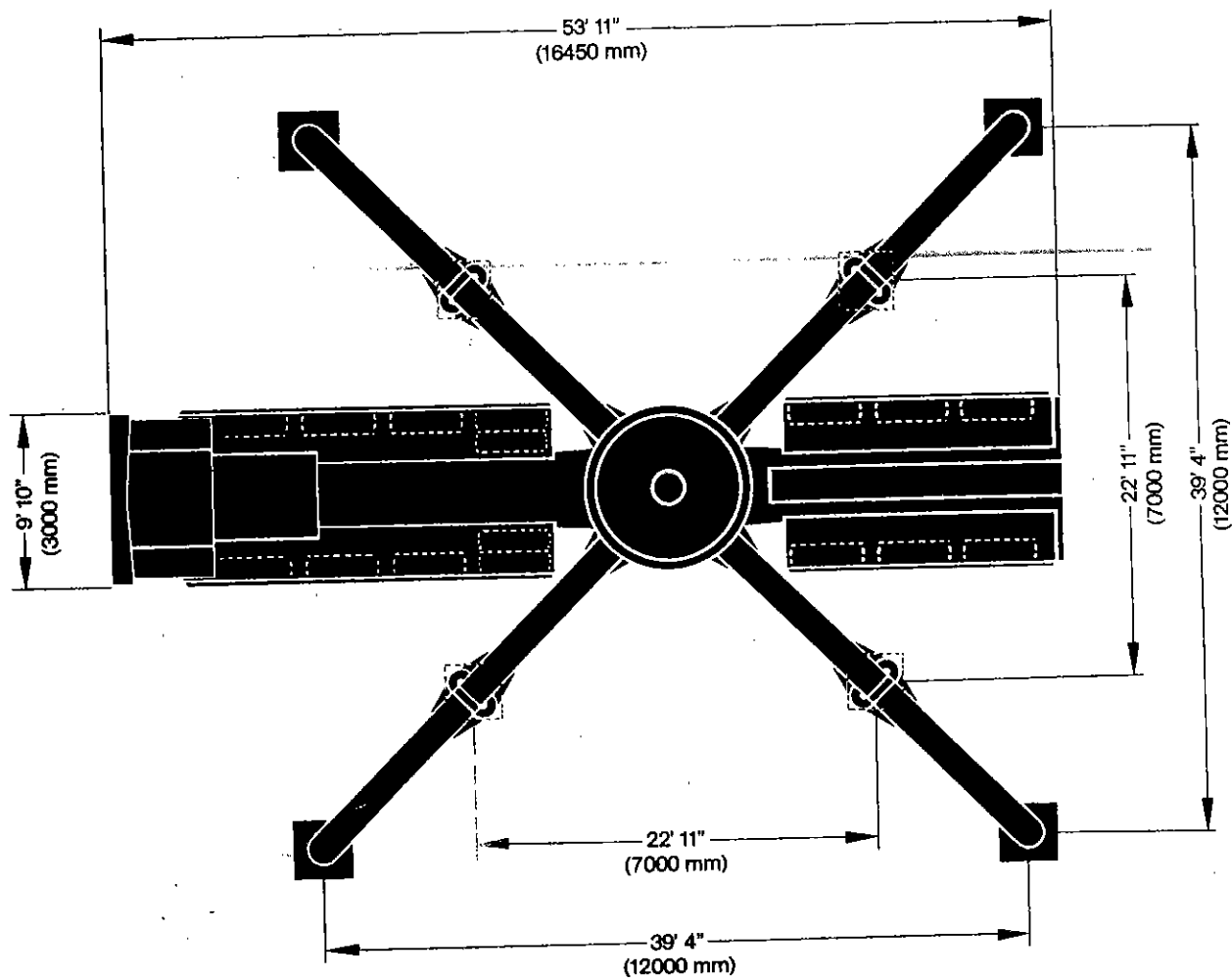
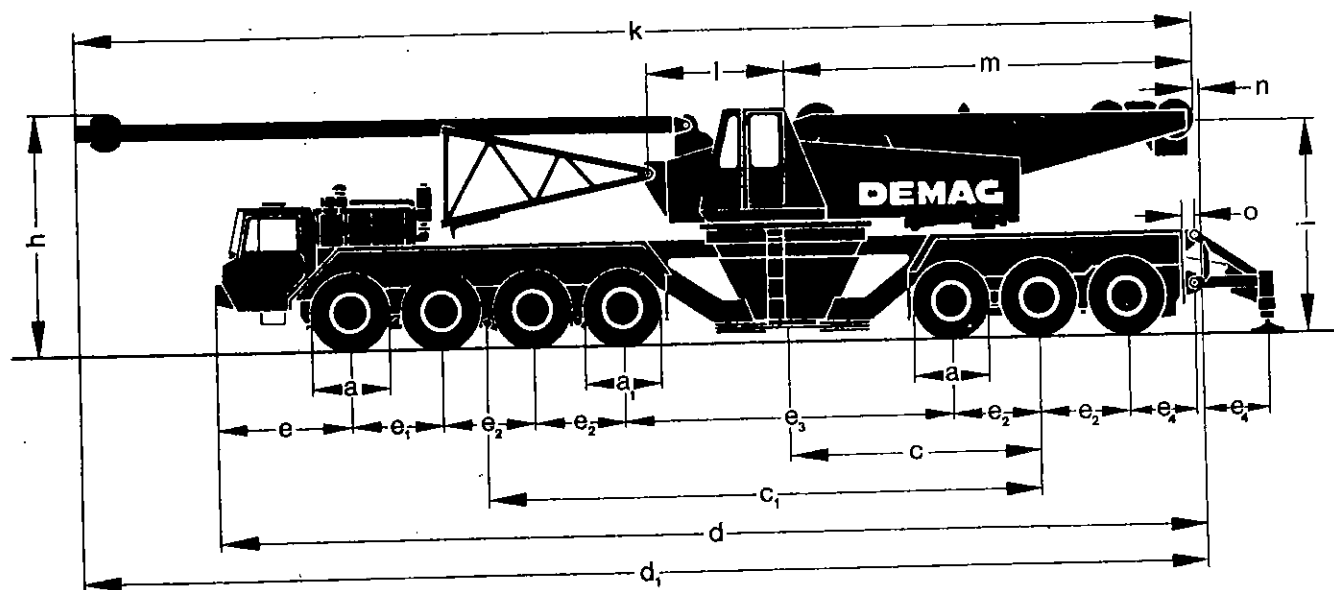
# Lattice-Boom Crane TC 1200

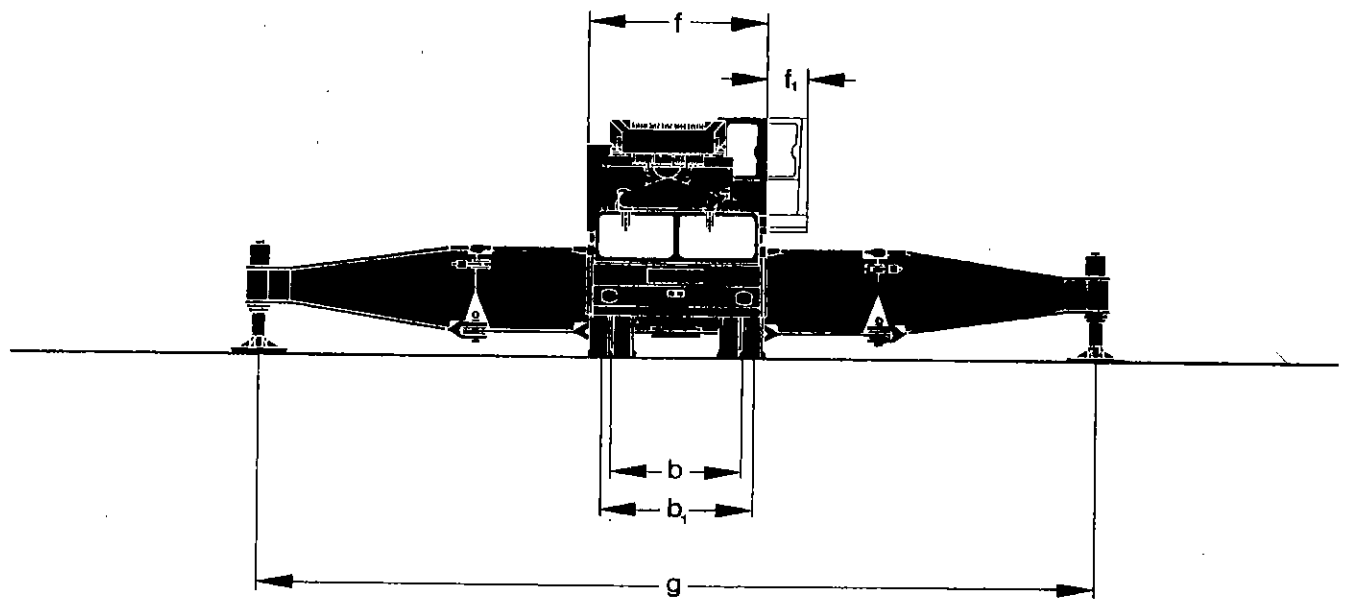


**DEMAG**  
Baumaschinen



## Basic Machine



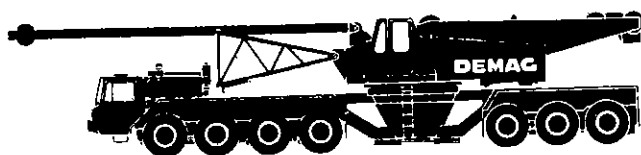


|                |                   |                |                    |                |                    |   |                    |
|----------------|-------------------|----------------|--------------------|----------------|--------------------|---|--------------------|
| a              | 14.00 - 24, PR 22 | d              | 54' 9" (16 710 mm) | e <sub>4</sub> | 3' (1 150 mm)      | k | 61' 4" (18 700 mm) |
| a <sub>1</sub> | 12.00 - 24, PR 20 | d <sub>1</sub> | 62' 2" (18 950 mm) | f              | 9' 10" (3 000 mm)  | l | 7' 2" (2 200 mm)   |
| b              | 7' 1" (2 170 mm*) | e              | 8' (2 450 mm)      | f <sub>1</sub> | 2' 4" (700 mm)     | m | 22' (6 710 mm)     |
| b <sub>1</sub> | 8' 5" (2 503 mm)  | e <sub>1</sub> | 5' 3" (1 600 mm)   | g              | 39' 4" (12 000 mm) | n | 10" (250 mm)       |
| c              | 13' 9" (4 200 mm) | e <sub>2</sub> | 4' 11" (1 500 mm)  | h              | 12' 11" (3 950 mm) | o | 6" (150 mm)        |
| c <sub>1</sub> | 30' (9 150 mm)    | e <sub>3</sub> | 17' 8" (5 400 mm)  | i              | 11' 2" (3 600 mm)  |   |                    |

\* 4<sup>th</sup> Front Axle

## Truck Carrier

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Engine             | KHD BF 12 L 413                                                                 |
| System             | 12 cyl.-4 strokes                                                               |
| Output at 2500 RPM | 310 kW (420 HP)                                                                 |
| Cooling            | air                                                                             |
| Fuel-Tank Capacity | 80 gal. (300 liters)                                                            |
| Transmission       | 12-Speed Main Transmission plus 2-Speed Transfer Case                           |
| Carrier            | 14 x 8                                                                          |
| Suspension         |                                                                                 |
| Front              | 1st and 2nd Axles: Leaf springs; 3rd and 4 <sup>th</sup> = Hydraulic suspension |
| Rear               | 1st and 2nd Axles = Walking Beams, 3rd = Hydraulic suspension                   |
| Outriggers         | 4 articulated dismountable outrigger beams with hydraulic jack legs             |

**Axle Loads**

**Crane in travel order  
without outriggers,  
basic boom,  
and mast gantry**

Loading of hydraulically  
sprung axles 13.2 tons

Loading of hydraulically  
sprung axles 11.0 tons

| 1st<br>front | 2nd<br>front | 3rd<br>front | 4th<br>front | 1st<br>rear | 2nd<br>rear | 3rd<br>rear | Total |
|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------|
| tons         | tons         | tons         | tons         | tons        | tons        | tons        | tons  |

10.4 10.4 13.2 13.2 12.5 12.5 13.2 85.4

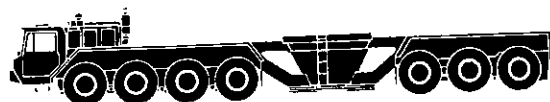
11.7 11.7 11.0 11.0 14.5 14.5 11.0 85.4

**Change of road weight after  
removal of assemblies:**

|                                        |       |       |   |   |       |       |   |       |
|----------------------------------------|-------|-------|---|---|-------|-------|---|-------|
| 2nd Hoist Drum with Cable              | -0.27 | -0.27 | - | - | -1.48 | -1.48 | - | -3.50 |
| Jib-Boom Luffing Drum with Cable       | -0.30 | -0.30 | - | - | -0.85 | -0.85 | - | -2.30 |
| Aux. Hoist Cable                       | -0.18 | -0.18 | - | - | -1.00 | -1.00 | - | -2.36 |
| Jib-Boom-Luffing Cable                 | -0.14 | -0.14 | - | - | -0.41 | -0.41 | - | -1.10 |
| Main Hoist and Boom-Hoist Cables       | -0.73 | -0.73 | - | - | -1.91 | -1.91 | - | -5.28 |
| <b>Basic Boom<br/>plus Mast Gantry</b> | -2.64 | -2.64 | - | - | +0.14 | +0.14 | - | -5.00 |



11.5 11.5 11.0 11.0 7.7 7.7 11.0 71.4



8.0 8.0 5.5 5.5 5.9 5.9 5.5 44.3

**Carrier Performance**

**Travel Speeds**

|            |                                      |           |                                      |
|------------|--------------------------------------|-----------|--------------------------------------|
| High Range | 3.9 ... 37.5 mph (6.3 ... 60.3 km/h) | Low Range | 2.7 ... 26.3 mph (4.4 ... 42.4 km/h) |
|------------|--------------------------------------|-----------|--------------------------------------|

**Creeper Range (mechanical)**

|            |                    |           |                    |
|------------|--------------------|-----------|--------------------|
| High Range | 2.5 mph (4.1 km/h) | Low Range | 1.8 mph (2.9 km/h) |
|------------|--------------------|-----------|--------------------|

**Lowest Speed at Maximum Torque**

1.1 mph (1.8 km/h)

**Gradeability**

max. 30%



## Superstructure

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Engine             | KHD F 10 L 413                                   |
| Output at 2300 RPM | 176 kW (240 HP)                                  |
| Transmission       | Axial-Piston Hydraulic Pumps                     |
| Drum Drive         | Axial-Piston Hydraulic Motor and Planetary Drive |
| Swing Drive        | Axial-Piston Hydraulic Motor and Planetary Drive |
| Control            | hydraulic                                        |

## Working Speeds

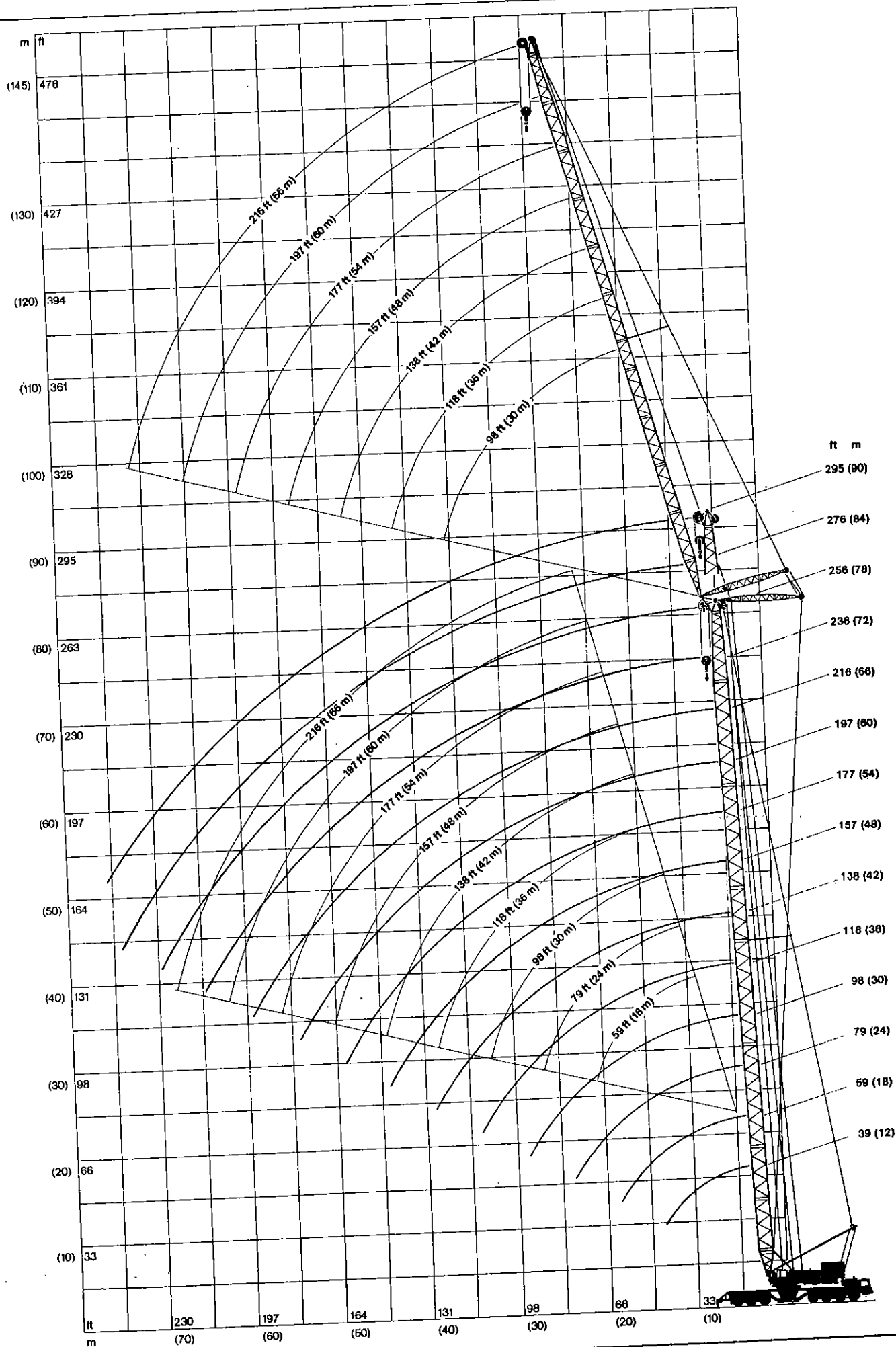
|                 |                                     |
|-----------------|-------------------------------------|
|                 | Infinitely variable                 |
| Main Hoist      | max. 295 ft./min. (max. 90 m/min.)  |
| Aux. Hoist      | max. 387 ft./min. (max. 118 m/min.) |
| Aux. Boom Hoist | max. 141 ft./min. (max. 43 m/min.)  |
| Main Boom Hoist | max. 118 ft./min. (max. 36 m/min.)  |
| Swing           | 1.4 RPM                             |

## Cables

|                                       |                                                          |                                       |                                          |
|---------------------------------------|----------------------------------------------------------|---------------------------------------|------------------------------------------|
| Main Hoist:<br>Rope Pull, Single Line | 25.794 lb. (11700 kg) 85 %<br>22.928 lb. (10400 kg) 75 % | Aux. Hoist:<br>Rope Pull, Single Line | 18.298 lb. (8300 kg)                     |
| Length of Cables                      | 2789 ft. (850 m)                                         | Length of Cables                      | 2460 ft. (750 m)                         |
| Dia. of Cables                        | 1 <sup>7</sup> / <sub>64</sub> " (28 mm)                 | Dia. of Cables                        | 1 <sup>7</sup> / <sub>64</sub> " (28 mm) |
| Main Boom Hoist<br>Length of Cables   | 1558 ft. (475 m)                                         | Aux. Boom Hoist<br>Length of Cables   | 1148 ft. (370 m)                         |
| Dia. of Cables                        | 1 <sup>1</sup> / <sub>32</sub> " (26 mm)                 | Dia. of Cables                        | 1 <sup>1</sup> / <sub>32</sub> " (26 mm) |

## Boom

|                               | Main Boom               | Max. Allowable Lifting Load                    | Main Boom + Jib Boom      |
|-------------------------------|-------------------------|------------------------------------------------|---------------------------|
| Std. Hammer-Head Type         | 39—295 ft.<br>(12—90 m) | 308 tons (280 t) 85 %<br>275 tons (250 t) 75 % | —                         |
| Offset Jib-Folding Boom-Point | 39—295 ft.<br>(12—90 m) | 44 tons (40 t)                                 | 256 + 216 ft. (78 + 66 m) |





**Lifting Capacities on Main Boom, with Outriggers, over Ends and Sides (360°) (Std. Hammer Head)**

| Boom                      | Radius |      | 85%   |      |
|---------------------------|--------|------|-------|------|
|                           | ft     | m    | tons  | t    |
| <b>39 ft<br/>(12 m)</b>   | 20     | (6)  | 308   | 280  |
|                           | 23     | (7)  | 275   | 250  |
|                           | 26     | (8)  | 253   | 226  |
|                           | 30     | (9)  | 215   | 199  |
|                           | 33     | (10) | 193   | 177  |
|                           | 36     | (11) | 176.5 | 160  |
| <b>59 ft<br/>(18 m)</b>   | 40     | (12) | 156   | 144  |
|                           | 20     | (6)  | 308   | 280  |
|                           | 23     | (7)  | 275   | 250  |
|                           | 26     | (8)  | 252   | 225  |
|                           | 30     | (9)  | 213.5 | 197  |
|                           | 33     | (10) | 192   | 176  |
| <b>79 ft<br/>(24 m)</b>   | 36     | (11) | 174.2 | 158  |
|                           | 40     | (12) | 153.5 | 142  |
|                           | 46     | (14) | 131   | 119  |
|                           | 53     | (16) | 112   | 103  |
|                           | 59     | (18) | 99    | 90.2 |
| <b>98 ft<br/>(30 m)</b>   | 23     | (7)  | 275   | 250  |
|                           | 26     | (8)  | 251.5 | 224  |
|                           | 30     | (9)  | 212.5 | 196  |
|                           | 33     | (10) | 191   | 175  |
|                           | 36     | (11) | 172   | 156  |
|                           | 40     | (12) | 153   | 141  |
| <b>118 ft<br/>(36 m)</b>  | 46     | (14) | 130   | 118  |
|                           | 53     | (16) | 110   | 101  |
|                           | 59     | (18) | 98    | 88.8 |
|                           | 66     | (20) | 88.5  | 78.9 |
|                           | 72     | (22) | 78    | 70.9 |
| <b>138 ft<br/>(42 m)</b>  | 23     | (7)  | 275   | 250  |
|                           | 26     | (8)  | 249   | 223  |
|                           | 30     | (9)  | 211   | 195  |
|                           | 33     | (10) | 189   | 174  |
|                           | 36     | (11) | 171   | 155  |
|                           | 40     | (12) | 152   | 140  |
| <b>157 ft<br/>(48 m)</b>  | 46     | (14) | 129   | 117  |
|                           | 53     | (16) | 108.5 | 100  |
|                           | 59     | (18) | 96.5  | 87.5 |
|                           | 66     | (20) | 84.5  | 77.6 |
|                           | 72     | (22) | 76.5  | 69.6 |
|                           | 79     | (24) | 68.5  | 63.0 |
| <b>177 ft<br/>(54 m)</b>  | 85     | (26) | 63.5  | 57.6 |
|                           | 92     | (28) | 58    | 53.0 |
| <b>197 ft<br/>(60 m)</b>  | 23     | (7)  | 255   | 231  |
|                           | 26     | (8)  | 236   | 212  |
|                           | 30     | (9)  | 211   | 194  |
|                           | 33     | (10) | 190   | 173  |
|                           | 36     | (11) | 170   | 154  |
|                           | 40     | (12) | 150   | 139  |
| <b>216 ft<br/>(66 m)</b>  | 46     | (14) | 127.5 | 116  |
|                           | 53     | (16) | 108.5 | 99.3 |
|                           | 59     | (18) | 95.4  | 86.6 |
|                           | 66     | (20) | 84    | 76.7 |
|                           | 72     | (22) | 75.5  | 68.6 |
|                           | 79     | (24) | 68    | 62.0 |
| <b>236 ft<br/>(72 m)</b>  | 85     | (26) | 62.5  | 56.5 |
|                           | 92     | (28) | 57    | 51.8 |
|                           | 98     | (30) | 53    | 47.8 |
| <b>256 ft<br/>(78 m)</b>  | 23     | (7)  | 218   | 198  |
|                           | 26     | (8)  | 204   | 185  |
|                           | 30     | (9)  | 188   | 172  |
|                           | 33     | (10) | 168.8 | 153  |
|                           | 36     | (11) | 148.5 | 138  |
|                           | 40     | (12) | 126.5 | 115  |
| <b>276 ft<br/>(84 m)</b>  | 46     | (14) | 106.5 | 98.6 |
|                           | 53     | (16) | 94.5  | 85.9 |
|                           | 59     | (18) | 83    | 75.9 |
|                           | 66     | (20) | 75    | 67.8 |
|                           | 72     | (22) | 67    | 61.2 |
|                           | 79     | (24) | 61    | 55.7 |
| <b>295 ft<br/>(90 m)</b>  | 85     | (26) | 56    | 51.0 |
|                           | 92     | (28) | 51.5  | 46.9 |
|                           | 98     | (30) | 44.5  | 39.6 |
|                           | 110    | (34) | 37.5  | 34.0 |
|                           | 125    | (38) |       |      |
|                           | 140    | (42) |       |      |
| <b>315 ft<br/>(96 m)</b>  | 30     | (9)  | 194   | 176  |
|                           | 33     | (10) | 181   | 164  |
|                           | 36     | (11) | 165.2 | 150  |
|                           | 40     | (12) | 149   | 138  |
|                           | 46     | (14) | 126.5 | 115  |
|                           | 53     | (16) | 106.5 | 97.8 |
| <b>335 ft<br/>(103 m)</b> | 59     | (18) | 93.8  | 85.1 |
|                           | 66     | (20) | 82.5  | 75.1 |
|                           | 72     | (22) | 74    | 67.0 |
|                           | 79     | (24) | 66    | 60.3 |
|                           | 85     | (26) | 60.5  | 54.8 |
|                           | 92     | (28) | 55    | 50.1 |
| <b>355 ft<br/>(109 m)</b> | 98     | (30) | 51    | 46.0 |
|                           | 110    | (34) | 43.5  | 38.8 |
|                           | 125    | (38) | 36    | 33.1 |
|                           | 140    | (42) | 30.5  | 28.7 |
|                           |        |      |       |      |
|                           |        |      |       |      |

| Boom                      | Radius |      | 85%   |      |
|---------------------------|--------|------|-------|------|
|                           | ft     | m    | tons  | t    |
| <b>177 ft<br/>(54 m)</b>  | 30     | (9)  | 170   | 154  |
|                           | 33     | (10) | 164   | 149  |
|                           | 36     | (11) | 157.7 | 143  |
|                           | 40     | (12) | 147   | 136  |
|                           | 46     | (14) | 125.5 | 114  |
|                           | 53     | (16) | 105.5 | 97.1 |
| <b>197 ft<br/>(60 m)</b>  | 59     | (18) | 93    | 84.4 |
|                           | 66     | (20) | 81    | 74.4 |
|                           | 72     | (22) | 73.2  | 66.3 |
|                           | 79     | (24) | 65.5  | 59.6 |
|                           | 85     | (26) | 59.8  | 54.1 |
|                           | 92     | (28) | 54    | 49.3 |
| <b>216 ft<br/>(66 m)</b>  | 98     | (30) | 50    | 45.3 |
|                           | 110    | (34) | 42.6  | 38.2 |
|                           | 125    | (38) | 35.5  | 32.4 |
|                           | 140    | (42) | 30    | 28.0 |
|                           | 150    | (46) | 27    | 24.5 |
| <b>236 ft<br/>(72 m)</b>  | 33     | (10) | 145.5 | 132  |
|                           | 36     | (11) | 139   | 126  |
|                           | 40     | (12) | 132   | 121  |
|                           | 46     | (14) | 120   | 109  |
|                           | 53     | (16) | 104.5 | 96.4 |
|                           | 59     | (18) | 92    | 83.7 |
| <b>256 ft<br/>(78 m)</b>  | 66     | (20) | 80.5  | 73.7 |
|                           | 72     | (22) | 72.3  | 65.6 |
|                           | 79     | (24) | 64.8  | 59.0 |
|                           | 85     | (26) | 59    | 53.4 |
|                           | 92     | (28) | 53.5  | 48.7 |
|                           | 98     | (30) | 49.5  | 44.6 |
| <b>276 ft<br/>(84 m)</b>  | 110    | (34) | 42    | 37.7 |
|                           | 125    | (38) | 34.8  | 31.8 |
|                           | 140    | (42) | 29    | 27.3 |
|                           | 150    | (46) | 26.4  | 23.8 |
|                           | 165    | (50) | 22.5  | 20.9 |
|                           | 180    | (54) | 20    | 18.6 |
| <b>295 ft<br/>(90 m)</b>  | 33     | (10) | 119   | 108  |
|                           | 36     | (11) | 112.5 | 102  |
|                           | 40     | (12) | 107   | 98.0 |
|                           | 46     | (14) | 100.5 | 91.5 |
|                           | 53     | (16) | 95    | 86.8 |
|                           | 59     | (18) | 91    | 82.5 |
| <b>315 ft<br/>(96 m)</b>  | 66     | (20) | 80    | 73.0 |
|                           | 72     | (22) | 71.5  | 64.9 |
|                           | 79     | (24) | 64    | 58.2 |
|                           | 85     | (26) | 58.2  | 52.7 |
|                           | 92     | (28) | 52.8  | 47.9 |
|                           | 98     | (30) | 48.5  | 43.8 |
| <b>335 ft<br/>(103 m)</b> | 110    | (34) | 41.2  | 37.0 |
|                           | 125    | (38) | 34    | 31.2 |
|                           | 140    | (42) | 29    | 26.7 |
|                           | 150    | (46) | 26    | 23.1 |
|                           | 165    | (50) | 21.8  | 20.1 |
|                           | 180    | (54) | 19    | 17.8 |
| <b>355 ft<br/>(109 m)</b> | 190    | (58) | 17.5  | 15.8 |
|                           | 33     | (10) | 97    | 88.0 |
|                           | 36     | (11) | 93.6  | 85.0 |
|                           | 40     | (12) | 91.3  | 83.0 |
|                           | 46     | (14) | 85.9  | 78.0 |
|                           | 53     | (16) | 81    | 73.8 |
| <b>375 ft<br/>(114 m)</b> | 59     | (18) | 77    | 69.8 |
|                           | 66     | (20) | 71.5  | 66.1 |
|                           | 72     | (22) | 69.2  | 62.8 |
|                           | 79     | (24) | 63.5  | 57.5 |
|                           | 85     | (26) | 57.5  | 51.9 |
|                           | 92     | (28) | 52    | 47.2 |
| <b>395 ft<br/>(121 m)</b> | 98     | (30) | 47.5  | 43.1 |
|                           | 110    | (34) | 41    | 36.4 |
|                           | 125    | (38) | 33.5  | 30.6 |
|                           | 140    | (42) | 28    | 26.0 |
|                           | 150    | (46) | 25    | 22.4 |
|                           | 165    | (50) | 21.3  | 19.5 |
| <b>415 ft<br/>(127 m)</b> | 180    | (54) | 18    | 17.0 |
|                           | 190    | (58) | 16.5  | 15.0 |
|                           | 205    | (62) | 14.5  | 13.3 |
| <b>435 ft<br/>(133 m)</b> | 33     | (10) | 81.5  | 74.0 |
|                           | 36     | (11) | 78.3  | 71.0 |
|                           | 40     | (12) | 75.5  | 69.0 |
|                           | 46     | (14) | 70.8  | 64.3 |
|                           | 53     | (16) | 55.7  | 50.6 |
|                           | 59     | (18) | 52.3  | 47.5 |
| <b>455 ft<br/>(139 m)</b> | 66     | (20) | 58    | 53.1 |
|                           | 72     | (22) | 55.1  | 50.0 |
|                           | 79     | (24) | 51.7  | 47.1 |
|                           | 85     | (26) | 49.2  | 44.5 |
|                           | 92     | (28) | 46.3  | 42.1 |
|                           | 98     | (30) | 44    | 39.9 |
| <b>475 ft<br/>(145 m)</b> | 110    | (34) | 39.5  | 35.6 |
|                           | 125    | (38) | 33    | 30.2 |
|                           | 140    | (42) | 27.5  | 25.6 |
|                           | 150    | (46) | 24.5  | 22.0 |
|                           | 165    | (50) | 20.5  | 19.0 |
|                           | 180    | (54) | 17.5  | 16.6 |
| <b>495 ft<br/>(151 m)</b> | 190    | (58) | 16    | 14.5 |
|                           | 205    | (62) | 13.8  | 12.8 |
|                           | 220    | (66) | 12    | 11.3 |
|                           | 230    | (70) | 11    | 10.0 |
|                           |        |      |       |      |
|                           |        |      |       |      |

| Boom                      | Radius |      | 85%  |      |
|---------------------------|--------|------|------|------|
|                           | ft     | m    | tons | t    |
| <b>276 ft<br/>(84 m)</b>  | 36     | (11) | 66.2 | 60.0 |
|                           | 40     | (12) | 62.5 | 57.0 |
|                           | 46     | (14) | 58   | 52.8 |
|                           | 53     | (16) | 53.8 | 49.0 |
|                           | 59     | (18) | 50.1 | 45.5 |
|                           | 66     | (20) | 46.8 | 42.5 |
| <b>295 ft<br/>(90 m)</b>  | 72     | (22) | 44   | 39.9 |
|                           | 79     | (24) | 41   | 37.5 |
|                           | 85     | (26) | 38.8 | 35.2 |
|                           | 92     | (28) | 36.6 | 33.2 |
|                           | 98     | (30) | 34.8 | 31.4 |
|                           | 110    | (34) | 31   | 28.0 |
| <b>315 ft<br/>(96 m)</b>  | 125    | (38) | 27.8 | 25.3 |
|                           | 140    | (42) | 24.5 | 22.7 |
|                           | 150    | (46) | 22.7 | 20.5 |
|                           | 165    | (50) | 20.3 | 18.5 |
|                           | 180    | (54) | 17   | 16.0 |
|                           | 190    | (58) | 15.3 | 13.9 |
| <b>335 ft<br/>(103 m)</b> | 205    | (62) | 13   | 12.1 |
|                           | 220    | (66) | 11.5 | 10.6 |
|                           | 230    | (70) | 10.2 | 9.3  |
| <b>355 ft<br/>(109 m)</b> | 36     | (11) | 58.4 | 53.0 |
|                           | 40     | (12) | 54.2 | 50.0 |
|                           | 46     | (14) | 50.7 | 46.0 |
|                           | 53     | (16) | 46   | 42.0 |
|                           | 59     | (18) | 42.4 | 38.5 |
|                           | 66     | (20) | 39   | 35.6 |
| <b>375 ft<br/>(114 m)</b> | 72     | (22) | 36.7 | 33.3 |
|                           | 79     | (24) | 34   | 31.0 |
|                           | 85     | (26) | 32   | 28.8 |
|                           | 92     | (28) | 29.5 | 26.9 |
|                           | 98     | (30) | 28   | 25.0 |
|                           | 110    | (34) | 24.8 | 22.0 |
| <b>395 ft<br/>(121 m)</b> | 125    | (38) | 21.5 | 19.5 |
|                           | 140    | (42) | 18.2 | 17.1 |
|                           | 150    | (46) | 17   | 15.1 |
|                           | 165    | (50) | 15.6 | 13.7 |
|                           | 180    | (54) | 13   | 12.2 |
|                           | 190    | (58) | 11.7 | 10.6 |
| <b>415 ft<br/>(127 m)</b> | 205    | (62) | 10.1 | 9.4  |
|                           | 220    | (66) | 8.5  | 8.1  |
|                           | 230    | (70) | 7.8  | 7.1  |
|                           |        |      |      |      |
|                           |        |      |      |      |
|                           |        |      |      |      |

All capacities above the parting line are based upon structural strength. The capacities below the parting line are based on stability for the percentage of tipping load indicated.

**Crane-Capacity Notes**

Capacities do not exceed 85 % of tipping load. (Main Boom)

Max. wind pressure: 3 lb./sqft. (15 kg/m<sup>2</sup>)  
 $\Delta$  50.8 ft./sec. (15.5 m/sec)

Crane operation up to a wind force of 5° Beaufort scale  
 1 lb./sqft. (5 kg/m<sup>2</sup>)  $\Delta$  29.5 ft./sec. (9 m/sec) permissible.



## Lifting Capacities on Luffing Jib Boom, with Outriggers, over Ends and Sides (360°)

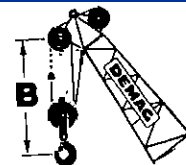
| Main Boom        | Radius   | Length of Jib Boom |                 |                 |                  |                  |                  |                  |                  |                  |      |
|------------------|----------|--------------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------|
|                  |          | 59 ft<br>(18 m)    | 79 ft<br>(24 m) | 98 ft<br>(30 m) | 118 ft<br>(36 m) | 138 ft<br>(42 m) | 158 ft<br>(48 m) | 177 ft<br>(54 m) | 197 ft<br>(60 m) | 217 ft<br>(66 m) |      |
|                  | ft m     | tons t             | tons t          | tons t          | tons t           | tons t           | tons t           | tons t           | tons t           | tons t           |      |
| 59 ft<br>(18 m)  | 39 (12)  | 110 100            | 107.1 97.4      | 87.3 79.4       | 64.4 58.6        | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 46 (14)  | 110 100            | 101.8 92.6      | 84 76.4         | 62.7 57.0        | 49.1 44.7        | — —              | — —              | — —              | — —              | — —  |
|                  | 53 (16)  | 91.3 83.0          | 91.6 83.3       | 80.5 73.2       | 60.3 54.9        | 47.5 43.2        | 36.0 32.8        | 25.5 23.2        | 22.4 20.4        | — —              | — —  |
|                  | 59 (18)  | 77.7 70.7          | 77.8 70.8       | 77.5 70.5       | 58 52.8          | 48.4 44.0        | 35.0 31.9        | 24.8 22.6        | 21.2 19.3        | 19.1 17.4        | 17.4 |
|                  | 66 (20)  | 67.4 61.3          | 67.5 61.4       | 67.3 61.2       | 55.8 50.8        | 47.5 43.2        | 34.1 31.0        | 24.8 22.6        | 20.4 18.6        | 18.0 16.4        | 16.4 |
|                  | 72 (22)  | — —                | 59.6 54.2       | 59.2 53.9       | 52.5 47.8        | 46.6 42.4        | 33.1 30.1        | 24.2 22.0        | 19.5 17.8        | 17.1 15.6        | 15.6 |
|                  | 79 (24)  | — —                | 53.1 48.3       | 52.9 48.1       | 47.4 43.1        | 45.7 41.6        | 32.2 29.3        | 23.4 21.4        | 18.7 17.0        | 16.0 14.6        | 14.6 |
|                  | 85 (26)  | — —                | 47.8 43.5       | 47.7 43.4       | 43 39.1          | 42.4 38.6        | 31.4 28.6        | 22.8 20.8        | 17.7 16.1        | 15.1 13.8        | 13.8 |
|                  | 92 (28)  | — —                | — —             | 43.3 39.4       | 39.3 35.8        | 38.8 35.3        | 30.3 27.6        | 22.3 20.3        | 16.7 15.2        | 13.6 12.4        | 12.4 |
|                  | 98 (30)  | — —                | — —             | 39.7 36.1       | 33.4 30.4        | 33 30.0          | 29.3 26.7        | 21.3 19.4        | 16.7 15.2        | 13.6 12.4        | 12.4 |
|                  | 112 (34) | — —                | — —             | — —             | 28.9 26.3        | 28.4 25.9        | 28.0 25.5        | 20.3 18.5        | 15.7 14.3        | 12.3 11.2        | 11.2 |
|                  | 125 (38) | — —                | — —             | — —             | — —              | 24.8 22.6        | 24.5 22.3        | 19.3 17.6        | 14.7 13.4        | 11.3 10.3        | 10.3 |
|                  | 138 (42) | — —                | — —             | — —             | — —              | — —              | 21.6 19.7        | 18.3 16.7        | 13.9 12.7        | 10.3 9.4         | 9.4  |
|                  | 151 (46) | — —                | — —             | — —             | — —              | — —              | 19.2 17.5        | 17.3 15.8        | 13.2 12.0        | 9.4 8.6          | 8.6  |
|                  | 164 (50) | — —                | — —             | — —             | — —              | — —              | — —              | 16.5 15.0        | 12.4 11.3        | 9.0 8.2          | 8.2  |
| 79 ft<br>(24 m)  | 177 (54) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 11.6 10.6        | 8.1 7.4          | 7.4  |
|                  | 190 (58) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 33 (10)  | 110 100            | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 39 (12)  | 110 100            | 98 89.1         | 77.8 70.6       | 60.7 55.2        | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 46 (14)  | 106.7 97.0         | 91.9 83.6       | 73.9 67.2       | 59.0 53.7        | 47.8 43.0        | — —              | — —              | — —              | — —              | — —  |
|                  | 53 (16)  | 92.9 84.5          | 86.3 78.5       | 70.6 64.2       | 57.4 52.2        | 46.8 42.6        | 35.2 32.0        | 25.8 23.5        | 21.8 19.9        | — —              | — —  |
|                  | 59 (18)  | 78.9 71.8          | 81.0 73.7       | 67.3 61.2       | 55.7 50.7        | 46.3 42.1        | 34.6 31.5        | 25.1 22.9        | 21.2 19.3        | 17.7 16.1        | 16.1 |
|                  | 66 (20)  | 68.6 62.4          | 70.8 64.4       | 62.9 57.3       | 54.2 49.3        | 45.8 41.7        | 33.7 30.7        | 24.6 22.4        | 20.5 18.7        | 17.0 15.5        | 15.5 |
|                  | 72 (22)  | — —                | 62.4 56.8       | 62.9 57.3       | 52.0 47.3        | 45.3 41.2        | 33.0 30.0        | 24.6 22.4        | 20.5 18.7        | 16.2 14.8        | 14.8 |
|                  | 79 (24)  | — —                | 55.8 50.8       | 55.9 51.1       | 49.8 45.7        | 44.6 40.6        | 32.3 29.3        | 24.0 21.9        | 19.9 18.1        | 15.5 14.1        | 14.1 |
|                  | 85 (26)  | — —                | 50.4 45.9       | 50.3 46.0       | 45.2 41.5        | 44.0 40.1        | 31.4 28.6        | 23.5 21.4        | 19.2 17.5        | 14.8 13.5        | 13.5 |
|                  | 92 (28)  | — —                | — —             | 45.7 41.8       | 41.2 38.0        | 40.7 37.5        | 30.6 27.9        | 22.8 20.8        | 18.5 16.9        | 14.8 13.5        | 13.5 |
|                  | 98 (30)  | — —                | — —             | 41.9 38.2       | 35.2 32.3        | 34.5 31.8        | 29.2 26.6        | 21.7 19.8        | 17.3 15.8        | 13.5 12.3        | 12.3 |
|                  | 112 (34) | — —                | — —             | — —             | 30.6 27.8        | 29.9 27.5        | 27.7 25.3        | 20.5 18.7        | 16.1 14.7        | 12.3 11.2        | 11.2 |
|                  | 125 (38) | — —                | — —             | — —             | — —              | 26.4 24.0        | 25.8 23.7        | 19.5 17.8        | 14.9 13.6        | 11.3 10.3        | 10.3 |
| 98 ft<br>(30 m)  | 138 (42) | — —                | — —             | — —             | — —              | — —              | 23.1 20.9        | 18.4 16.8        | 13.8 12.6        | 10.2 9.3         | 9.3  |
|                  | 151 (46) | — —                | — —             | — —             | — —              | — —              | 20.7 18.6        | 17.3 15.8        | 12.9 11.8        | 9.2 8.4          | 8.4  |
|                  | 164 (50) | — —                | — —             | — —             | — —              | — —              | — —              | 16.5 15.0        | 12.1 11.0        | 8.4 7.7          | 7.7  |
|                  | 177 (54) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 11.4 10.4        | 7.7 7.0          | 7.0  |
|                  | 190 (58) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 10.6 9.7         | 7.1 6.5          | 6.5  |
|                  | 203 (62) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 33 (10)  | 110 100            | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 39 (12)  | 103.5 94.1         | 90.2 82.0       | 71.8 65.3       | 56.6 51.5        | 44.1 40.1        | — —              | — —              | — —              | — —              | — —  |
|                  | 46 (14)  | 97.7 88.9          | 85.1 77.4       | 68.7 62.5       | 55.3 50.3        | 43.7 39.8        | 33.8 30.8        | 25.2 23.2        | 20.7 18.9        | 17.1 15.6        | 15.6 |
|                  | 53 (16)  | 92.9 84.5          | 80.0 72.8       | 65.7 59.8       | 54.0 49.1        | 43.3 39.4        | 33.3 30.3        | 24.9 22.7        | 20.1 18.3        | 16.5 15.0        | 15.0 |
|                  | 59 (18)  | 80.3 73.0          | 75.3 68.6       | 63.0 57.3       | 51.1 46.5        | 42.9 39.0        | 32.5 29.9        | 24.3 22.1        | 19.4 17.7        | 15.9 14.5        | 14.5 |
|                  | 66 (20)  | 69.6 63.3          | 71.6 65.1       | 60.3 54.9       | 51.1 46.5        | 42.3 38.5        | 31.9 29.0        | 24.3 22.1        | 18.9 17.2        | 15.4 14.0        | 14.0 |
|                  | 72 (22)  | — —                | 63.4 57.5       | 55.8 52.1       | 49.7 45.2        | 41.9 38.1        | 31.2 28.4        | 23.7 21.6        | 19.4 17.7        | 15.9 14.5        | 14.5 |
|                  | 79 (24)  | — —                | 56.4 51.3       | 50.2 47.0       | 48.1 43.8        | 41.9 38.1        | 31.2 28.4        | 23.7 21.6        | 19.4 17.7        | 15.9 14.5        | 14.5 |
|                  | 85 (26)  | — —                | 50.9 46.3       | 45.6 42.7       | 45.2 42.4        | 41.3 37.6        | 30.5 27.8        | 23.3 21.2        | 18.9 17.2        | 15.4 14.0        | 14.0 |
|                  | 92 (28)  | — —                | — —             | 41.8 39.1       | 41.2 39.3        | 40.7 37.2        | 30.0 27.3        | 22.7 20.7        | 18.3 16.7        | 14.6 13.3        | 13.3 |
|                  | 98 (30)  | — —                | — —             | — —             | 35.2 33.5        | 34.5 33.0        | 28.6 26.0        | 21.6 19.7        | 17.1 15.6        | 13.5 12.3        | 12.3 |
|                  | 112 (34) | — —                | — —             | — —             | 30.5 29.1        | 29.9 28.5        | 27.2 24.8        | 20.5 18.7        | 16.0 14.6        | 12.3 11.2        | 11.2 |
|                  | 125 (38) | — —                | — —             | — —             | — —              | 26.4 24.9        | 25.9 23.8        | 20.1 18.3        | 14.8 13.5        | 11.3 10.3        | 10.3 |
| 118 ft<br>(36 m) | 138 (42) | — —                | — —             | — —             | — —              | — —              | 23.1 21.7        | 18.5 16.9        | 13.8 12.6        | 10.3 9.4         | 9.4  |
|                  | 151 (46) | — —                | — —             | — —             | — —              | — —              | 20.7 19.3        | 17.4 15.9        | 12.9 11.8        | 9.3 8.5          | 8.5  |
|                  | 164 (50) | — —                | — —             | — —             | — —              | — —              | — —              | 16.5 15.0        | 12.2 11.1        | 8.4 7.7          | 7.7  |
|                  | 177 (54) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 11.4 10.4        | 7.7 7.0          | 7.0  |
|                  | 190 (58) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 10.7 9.8         | 7.1 6.5          | 6.5  |
|                  | 203 (62) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 33 (10)  | 99.6 90.6          | 83.2 75.7       | 66.0 60.0       | 51.5 46.9        | 41.3 37.6        | — —              | — —              | — —              | — —              | — —  |
|                  | 39 (12)  | 95.3 86.7          | 78.2 71.7       | 63.6 57.9       | 51.5 46.9        | 41.0 37.3        | 32.2 29.3        | 22.6 22.6        | — —              | — —              | — —  |
|                  | 46 (14)  | 90.5 82.3          | 74.1 67.4       | 61.2 55.7       | 50.4 45.9        | 40.7 37.0        | 31.6 28.8        | 24.4 22.2        | 20.0 18.2        | 16.2 14.8        | 14.8 |
|                  | 53 (16)  | 85.9 78.1          | 70.4 64.0       | 58.9 53.6       | 49.2 44.8        | 40.1 36.5        | 31.1 28.3        | 23.9 21.8        | 19.4 17.7        | 15.8 14.4        | 14.4 |
|                  | 59 (18)  | 81.6 74.2          | 66.9 60.9       | 56.8 51.7       | 47.9 43.6        | 39.7 36.1        | 30.6 27.9        | 23.9 21.8        | 19.4 17.7        | 15.8 14.4        | 14.4 |
|                  | 66 (20)  | 70.6 64.2          | 63.2 58.1       | 54.5 49.6       | 46.7 42.5        | 39.7 36.1        | 30.6 27.9        | 23.9 21.8        | 19.4 17.7        | 15.8 14.4        | 14.4 |
|                  | 72 (22)  | 62.1 56.5          | 56.3 51.9       | 50.7 46.8       | 45.4 41.3        | 39.2 35.7        | 30.0 27.3        | 23.4 21.3        | 19.0 17.3        | 15.2 13.9        | 13.9 |
|                  | 79 (24)  | — —                | 50.7 46.8       | 45.4 41.3       | 44.0 40.1        | 38.7 35.2        | 30.0 27.3        | 23.4 21.3        | 19.0 17.3        | 15.2 13.9        | 13.9 |
|                  | 85 (26)  | — —                | — —             | 45.4 41.3       | 41.1 38.8        | 38.0 34.6        | 29.4 26.8        | 22.9 20.9        | 18.4 16.8        | 14.8 13.5        | 13.5 |
|                  | 92 (28)  | — —                | — —             | 41.5 39.5       | 38.4 34.6        | 34.0 30.4        | 29.0 26.4        | 22.4 20.4        | 18.0 16.4        | 14.3 13.0        | 13.0 |
|                  | 98 (30)  | — —                | — —             | — —             | 34.9 32.2        | 34.4 33.5        | 27.8 25.3        | 21.5 19.6        | 17.0 15.5        | 13.3 12.1        | 12.1 |
|                  | 112 (34) | — —                | — —             | — —             | 30.4 29.3        | 29.8 29.0        | 26.8 24.4        | 20.6 18.8        | 16.0 14.6        | 12.4 11.3        | 11.3 |
|                  | 125 (38) | — —                | — —             | — —             | — —              | 26.1 25.5        | 25.7 23.5        | 19.6 17.9        | 15.0 13.7        | 11.4 10.4        | 10.4 |
|                  | 138 (42) | — —                | — —             | — —             | — —              | — —              | 22.8 22.1        | 18.7 17.0        | 14.0 12.8        | 10.4 9.5         | 9.5  |
| 138 ft<br>(42 m) | 151 (46) | — —                | — —             | — —             | — —              | — —              | 20.5 19.6        | 17.7 16.1        | 13.0 11.9        | 9.4 8.6          | 8.6  |
|                  | 164 (50) | — —                | — —             | — —             | — —              | — —              | — —              | 16.7 15.2        | 12.2 11.1        | 8.4 7.7          | 7.7  |
|                  | 177 (54) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 11.4 10.4        | 7.7 7.0          | 7.0  |
|                  | 190 (58) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | 10.7 9.8         | 7.1 6.5          | 6.5  |
|                  | 203 (62) | — —                | — —             | — —             | — —              | — —              | — —              | — —              | — —              | — —              | — —  |
|                  | 39 (12)  | — —                | 74.8 68.0       | 59.9 54.5       | 47.6 43.3        | 38.2 34.8        | — —              | — —              | — —              | — —              | — —  |
|                  | 46 (14)  | — —                | 71.6 65.1       | 58.0 52.8       | 46.7 42.5        | 37.9 34.5        | 30.3 27.6        | — —              | — —              | — —              | — —  |
|                  | 53 (16)  | — —                | 68.5 62.3       | 56.2 51.1       | 45.7 41.6        | 37.5 34.1        | 30.0 27.3        | 23.9 21.8        | 19.0 17.3        | — —              | — —  |
|                  | 59 (18)  | — —                | 65.5 59.6       | 54.3 49.4       | 44.6 40.6        | 37.0 33.7        | 29.4 26.8        | 23.6 21.5        | 18.7 17.0        | 14.8 13.5        | 13.5 |
|                  | 66 (20)  | — —                | 62.9 57.2       | 52.5 47.8       | 43.7 39.8        | 36.5 33.2        | 29.0 26.4        | 23.3 21.2        | 18.1 16.5        | 14.4 13.1        | 13.1 |
|                  | 72 (22)  | — —                | 60.1 54.7       | 50.9 46.3       | 42.6 38.8        | 36.1 32.9        | 28.6 26.0        | 22.9 20.9        | 17.7 16.1        | 13.8 12.6        | 12.6 |
|                  | 79 (24)  | — —                | 56.3 52.5       | 49.1 44.7       | 41.5 37.8        | 35.6 32.4        | 28.2 25.7        | 22.6 20.6        | 17.7 16.1        | 13.8 12.6        | 12.6 |
|                  | 85 (26)  | — —                | 50.7 47.3       | 45.5 43.4       | 40.4 36.8        | 35.0 31.9        | 27.8 25.3        | 22.2 20.2        | 17.2 15.7        | 13.3 12.1        | 12.1 |
|                  | 92 (28)  | — —                | 46.0 43.0       | 41.6 39.8       | 35.0 34.0        | 33.9 30.9        | 26.8 24.4        | 21.3 19.4        | 16.5 15.0        | 12.3 11.2        | 11.2 |
|                  | 98 (30)  | — —                | — —             | — —             | 30.5 29.5        | 30.0 29.2        | 26.0 23.7        | 20.3 18.5        | 15.5 14.1        | 11.5 10.5        | 10.5 |
|                  | 112 (34) | — —                | — —             | — —             | — —              | 26.4 25.7        | 25.1 22.9        | 19.5 17.8        | 14.7 13.4        | 10.6 9.7         | 9.7  |
|                  | 125 (38) | — —                | — —             | — —             | — —              | — —              | 24.2 22.1        | 18.7 17.0        | 13.8 12.6        | 9.9 9.0          | 9.0  |
|                  | 138 (42) | — —                | — —             | — —             | — —              | — —              | 23.2 20.2        | 17.6 16.0        | 13.2 12.0        | 9.2 8.4          | 8.4  |
|                  |          |                    |                 |                 |                  |                  |                  |                  |                  |                  |      |







## Hook-Block/ Crane Hook



| Number of Sheaves | Capacity                                       | Weight              | „B“             |
|-------------------|------------------------------------------------|---------------------|-----------------|
| 12                | 308 tons (280 t) 85 %<br>275 tons (250 t) 75 % | 8.378 lb. (3800 kg) | 10 ft. (3,20 m) |
| 6                 | 138 tons (125 t) 85 %<br>110 tons (100 t) 75 % | 5.291 lb. (2400 kg) | 8 ft. (2,50 m)  |
| 1                 | 35 tons ( 32 t) 85 %<br>27 tons ( 25 t) 75 %   | 2.557 lb. (1160 kg) | 6 ft. (2,00 m)  |

Subject to change without notice

### AMERICAN DEMAG CORPORATION Construction Machinery Division

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Oak Brook, Ill. 60521  
Tel.: 312-920-9700  
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**New York:** 450 Park Avenue  
New York, N.Y. 10022  
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Telex: 125-911



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# **DEMAG TC-1200 SUPERLIFT**

## **600 ton LOAD MOMENT CHART** (12,661 foot-tons)

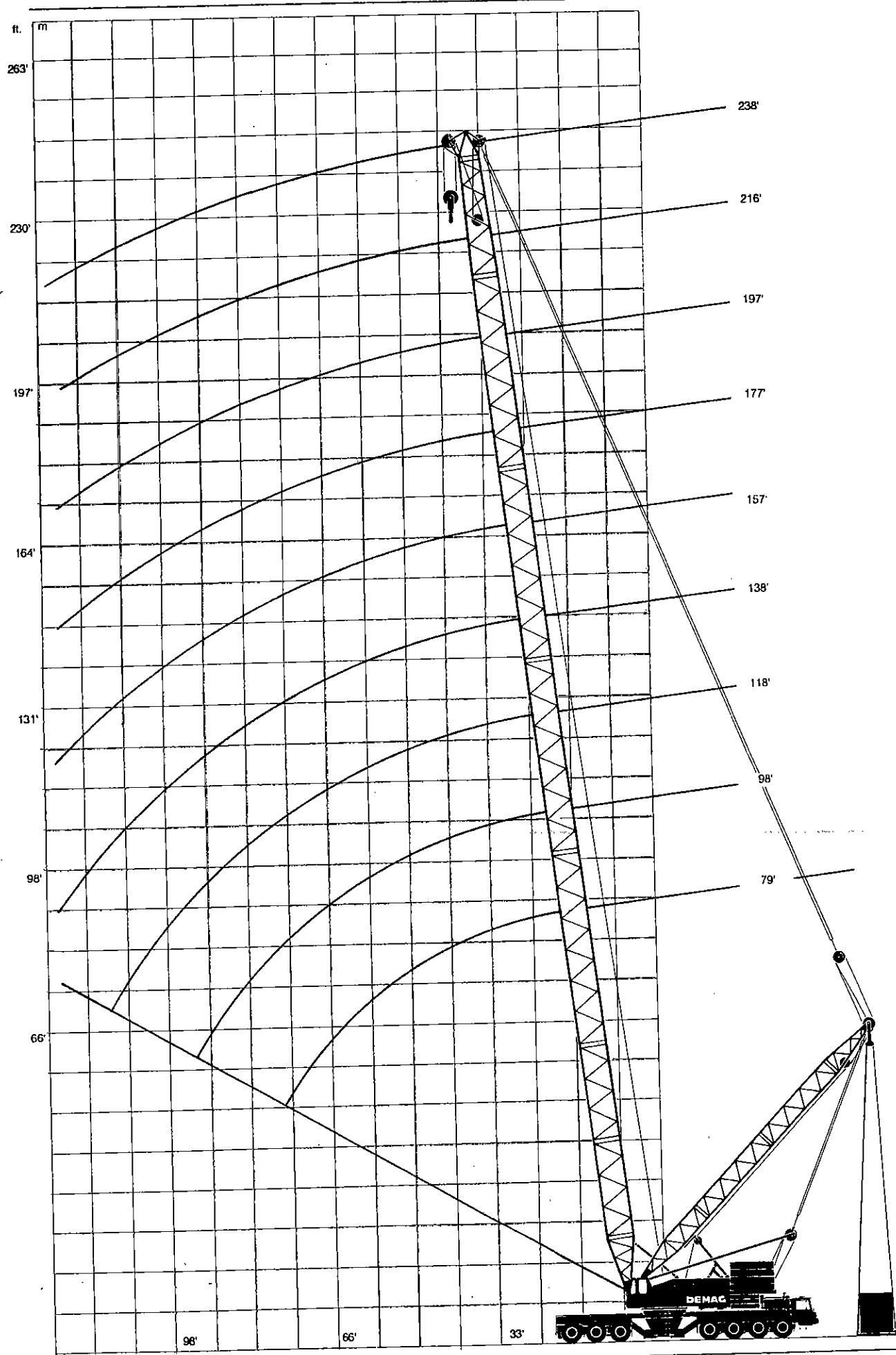
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Superlift Attachment for DEMAG Model TC 1200 Crane



**DEMAG**  
**Baummaschinen**

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**DEMAG TC-1200 SUPERLIFT 600 ton LOAD MOMENT CHART**

Lifting Capacities (ton=2000#) on main Boom,

On 39'-4" x 39'-4" Outriggers, 360° Swing, 75% Ratings

| Main Boom                                  | Radius | SuperLift Counterweight (t) |      |      |      |      |      | Main Boom | Radius                                                                                             | SuperLift Counterweight (t) |      |      |      |      |      |
|--------------------------------------------|--------|-----------------------------|------|------|------|------|------|-----------|----------------------------------------------------------------------------------------------------|-----------------------------|------|------|------|------|------|
|                                            |        | 0                           | 55   | 88   | 110  | 132  | 165  |           |                                                                                                    | 0                           | 55   | 88   | 110  | 132  | 165  |
| ft                                         | ft     | tons                        | tons | tons | tons | tons | tons | ft        | ft                                                                                                 | tons                        | tons | tons | tons | tons | tons |
| 79'<br>with Heavy<br>Duty Ham-<br>mer Head | 30     | 190                         | 256  | 303  | 331  | —    | —    | 177'      | 30                                                                                                 | 168                         | —    | —    | —    | —    | —    |
|                                            | 31.5   | 178                         | 243  | 287  | 315  | 347  | 386  |           | 33                                                                                                 | 163                         | —    | —    | —    | —    | —    |
|                                            | 33     | 169                         | 232  | 271  | 299  | 331  | 362  |           | 40                                                                                                 | 132                         | 156  | —    | —    | —    | —    |
|                                            | 40     | 137                         | 187  | 221  | 244  | 258  | 296  |           | 46                                                                                                 | 110                         | 150  | —    | —    | —    | —    |
|                                            | 46     | 115                         | 161  | 187  | 203  | 221  | 236  |           | 53                                                                                                 | 94                          | 130  | 146  | —    | —    | —    |
|                                            | 53     | 99                          | 132  | 158  | 170  | 185  | 204  |           | 59                                                                                                 | 82                          | 116  | 131  | —    | —    | —    |
|                                            | 59     | 86                          | 117  | 136  | 146  | 159  | —    |           | 66                                                                                                 | 72                          | 104  | 114  | —    | —    | —    |
|                                            |        |                             |      |      |      |      |      |           | 72                                                                                                 | 64                          | 93   | 101  | —    | —    | —    |
| 79'<br>with Std.<br>Hammer<br>Head         | 30     | 190                         | 256  | 276  | —    | —    | —    |           | 79                                                                                                 | 57                          | 84   | 90   | —    | —    | —    |
|                                            | 33     | 169                         | 232  | 276  | —    | —    | —    |           | 85                                                                                                 | 53                          | 76   | 84   | —    | —    | —    |
|                                            | 40     | 137                         | 185  | 221  | 238  | 258  | —    |           | 92                                                                                                 | 47                          | 70   | 76   | —    | —    | —    |
|                                            | 46     | 115                         | 154  | 185  | 202  | 221  | 237  |           | 98                                                                                                 | 44                          | 64   | 70   | —    | —    | —    |
|                                            | 53     | 99                          | 131  | 158  | 170  | 185  | 204  |           | 110                                                                                                | 36                          | 55   | 61   | —    | —    | —    |
|                                            | 59     | 86                          | 117  | 136  | 146  | 159  | —    |           | 125                                                                                                | 30                          | 49   | 54   | —    | —    | —    |
|                                            | 66     | 76                          | 104  | 121  | —    | —    | —    |           | 140                                                                                                | 25                          | 42   | 47   | —    | —    | —    |
|                                            | 72     | 68                          | 93   | 108  | —    | —    | —    |           | 150                                                                                                | 22                          | 36   | 44   | —    | —    | —    |
| 96'                                        | 30     | 189                         | 256  | —    | —    | —    | —    | 197'      | 33                                                                                                 | 143                         | —    | —    | —    | —    | —    |
|                                            | 33     | 168                         | 232  | 256  | —    | —    | —    |           | 40                                                                                                 | 133                         | —    | —    | —    | —    | —    |
|                                            | 40     | 136                         | 185  | 219  | 238  | 243  | —    |           | 46                                                                                                 | 110                         | 130  | —    | —    | —    | —    |
|                                            | 46     | 114                         | 153  | 185  | 202  | 221  | —    |           | 53                                                                                                 | 94                          | 125  | —    | —    | —    | —    |
|                                            | 53     | 97                          | 130  | 157  | 170  | 185  | —    |           | 59                                                                                                 | 81                          | 116  | —    | —    | —    | —    |
|                                            | 59     | 85                          | 117  | 135  | —    | —    | —    |           | 66                                                                                                 | 71                          | 104  | —    | —    | —    | —    |
|                                            | 66     | 75                          | 103  | 119  | —    | —    | —    |           | 72                                                                                                 | 61                          | 93   | —    | —    | —    | —    |
|                                            | 72     | 67                          | 93   | 110  | —    | —    | —    |           | 79                                                                                                 | 55                          | 84   | —    | —    | —    | —    |
|                                            | 79     | 61                          | 84   | 100  | —    | —    | —    |           | 85                                                                                                 | 50                          | 76   | —    | —    | —    | —    |
|                                            | 85     | 55                          | 76   | 90   | —    | —    | —    |           | 92                                                                                                 | 46                          | 70   | —    | —    | —    | —    |
| 118'                                       | 92     | 51                          | 70   | 82   | —    | —    | —    |           | 98                                                                                                 | 43                          | 64   | —    | —    | —    | —    |
|                                            | 30     | 189                         | 237  | —    | —    | —    | —    | 216'      | 110                                                                                                | 36                          | 55   | —    | —    | —    | —    |
|                                            | 33     | 168                         | 232  | 237  | —    | —    | —    |           | 125                                                                                                | 31                          | 49   | —    | —    | —    | —    |
|                                            | 40     | 135                         | 183  | 218  | 234  | —    | —    |           | 140                                                                                                | 24                          | 42   | —    | —    | —    | —    |
|                                            | 46     | 113                         | 153  | 185  | 201  | 218  | —    |           | 150                                                                                                | 22                          | 36   | —    | —    | —    | —    |
|                                            | 53     | 97                          | 130  | 157  | 170  | 185  | —    |           | 165                                                                                                | 19                          | 33   | —    | —    | —    | —    |
|                                            | 59     | 84                          | 116  | 133  | 147  | 165  | —    |           | 33                                                                                                 | 116                         | —    | —    | —    | —    | —    |
|                                            | 66     | 75                          | 103  | 119  | 132  | 148  | —    |           | 40                                                                                                 | 110                         | —    | —    | —    | —    | —    |
|                                            | 72     | 66                          | 93   | 107  | 119  | 132  | —    |           | 46                                                                                                 | 105                         | —    | —    | —    | —    | —    |
|                                            | 79     | 60                          | 84   | 97   | 108  | 121  | —    |           | 53                                                                                                 | 93                          | 99   | —    | —    | —    | —    |
|                                            | 85     | 54                          | 76   | 88   | 97   | 107  | —    |           | 59                                                                                                 | 81                          | 95   | —    | —    | —    | —    |
| 138'                                       | 92     | 50                          | 70   | 82   | —    | —    | —    |           | 66                                                                                                 | 71                          | 90   | —    | —    | —    | —    |
|                                            | 98     | 45                          | 64   | 75   | —    | —    | —    |           | 72                                                                                                 | 61                          | 86   | —    | —    | —    | —    |
|                                            | 30     | 187                         | 227  | —    | —    | —    | —    | 236'      | 79                                                                                                 | 55                          | 81   | —    | —    | —    | —    |
|                                            | 33     | 167                         | 222  | 224  | —    | —    | —    |           | 85                                                                                                 | 49                          | 75   | —    | —    | —    | —    |
|                                            | 40     | 133                         | 182  | 217  | —    | —    | —    |           | 92                                                                                                 | 46                          | 68   | —    | —    | —    | —    |
|                                            | 46     | 113                         | 152  | 185  | 196  | 210  | —    |           | 98                                                                                                 | 42                          | 63   | —    | —    | —    | —    |
|                                            | 53     | 96                          | 130  | 157  | 168  | 181  | —    |           | 110                                                                                                | 35                          | 53   | —    | —    | —    | —    |
|                                            | 59     | 83                          | 116  | 132  | 146  | 164  | —    |           | 125                                                                                                | 30                          | 45   | —    | —    | —    | —    |
|                                            | 66     | 74                          | 103  | 118  | 130  | 147  | —    |           | 140                                                                                                | 24                          | 39   | —    | —    | —    | —    |
|                                            | 72     | 64                          | 93   | 105  | 117  | 131  | —    |           | 150                                                                                                | 22                          | 33   | —    | —    | —    | —    |
|                                            | 79     | 58                          | 84   | 95   | 106  | 121  | —    |           | 165                                                                                                | 19                          | 29   | —    | —    | —    | —    |
|                                            | 85     | 53                          | 76   | 87   | 96   | 107  | —    |           | 33                                                                                                 | 94                          | —    | —    | —    | —    | —    |
| 157'                                       | 92     | 49                          | 70   | 79   | —    | —    | —    |           | 40                                                                                                 | 87                          | —    | —    | —    | —    | —    |
|                                            | 98     | 44                          | 64   | 73   | —    | —    | —    |           | 46                                                                                                 | 83                          | —    | —    | —    | —    | —    |
|                                            | 110    | 38                          | 55   | 64   | —    | —    | —    |           | 53                                                                                                 | 78                          | —    | —    | —    | —    | —    |
|                                            | 125    | 31                          | 49   | 55   | —    | —    | —    |           | 59                                                                                                 | 74                          | —    | —    | —    | —    | —    |
|                                            | 140    | 27                          | 42   | 49   | —    | —    | —    |           | 66                                                                                                 | 71                          | —    | —    | —    | —    | —    |
|                                            | 30     | 177                         | 206  | —    | —    | —    | —    |           | 72                                                                                                 | 61                          | 66   | —    | —    | —    | —    |
|                                            | 33     | 165                         | 203  | —    | —    | —    | —    |           | 79                                                                                                 | 55                          | 63   | —    | —    | —    | —    |
|                                            | 40     | 133                         | 181  | 192  | —    | —    | —    |           | 85                                                                                                 | 49                          | 60   | —    | —    | —    | —    |
|                                            | 46     | 111                         | 152  | 185  | —    | —    | —    |           | 92                                                                                                 | 46                          | 56   | —    | —    | —    | —    |
|                                            | 53     | 95                          | 130  | 157  | 165  | 177  | —    |           | 98                                                                                                 | 42                          | 53   | —    | —    | —    | —    |
| 157'                                       | 59     | 83                          | 116  | 132  | 146  | 163  | —    |           | 110                                                                                                | 35                          | 49   | —    | —    | —    | —    |
|                                            | 66     | 73                          | 104  | 117  | 129  | 146  | —    |           | 125                                                                                                | 30                          | 43   | —    | —    | —    | —    |
|                                            | 72     | 65                          | 93   | 104  | 115  | 130  | —    |           | 140                                                                                                | 24                          | 36   | —    | —    | —    | —    |
|                                            | 79     | 58                          | 84   | 93   | 103  | 117  | —    |           | 150                                                                                                | 22                          | 31   | —    | —    | —    | —    |
|                                            | 85     | 53                          | 76   | 86   | 94   | 105  | —    |           | 165                                                                                                | 19                          | 27   | —    | —    | —    | —    |
|                                            | 92     | 49                          | 70   | 78   | 87   | 97   | —    |           | Only cranes providing an outrigger span of 39'-4" X 39'-4" can be equipped for superlift operation |                             |      |      |      |      |      |
|                                            | 98     | 44                          | 64   | 71   | 78   | 88   | —    |           |                                                                                                    |                             |      |      |      |      |      |
|                                            | 110    | 38                          | 55   | 62   | —    | —    | —    |           |                                                                                                    |                             |      |      |      |      |      |
|                                            | 125    | 31                          | 49   | 55   | —    | —    | —    |           |                                                                                                    |                             |      |      |      |      |      |
|                                            | 140    | 27                          | 42   | 49   | —    | —    | —    |           |                                                                                                    |                             |      |      |      |      |      |





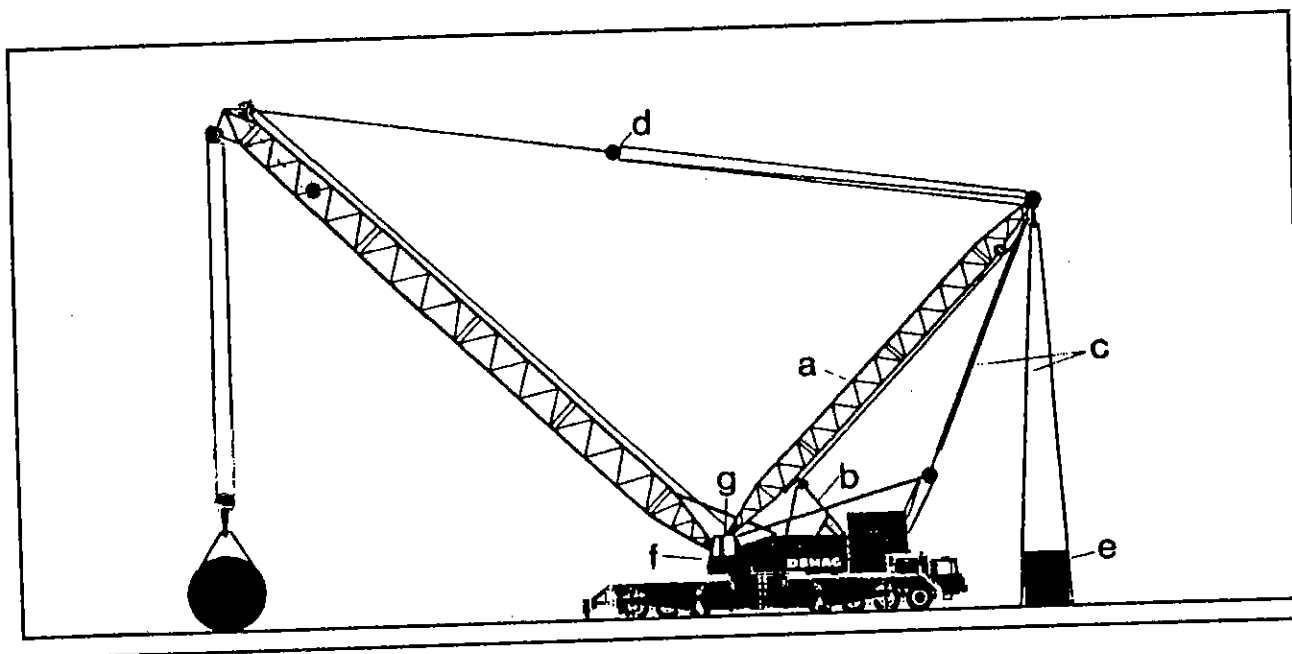
## SUPERLIFT Attachment for the DEMAG TC-1200 Truck Crane

For applications where load moments in excess of 5426 foot-tons are encountered, the DEMAG TC 1200 Truck Crane can be equipped with a Superlift Attachment which permits load moments up to 12661 foot-tons. An increase of 233%, resulting in a 633 ton load moment chart at a 20' radius.

The performance benefits derived from the Superlift result from the fact that a heavier load is compensated by a corresponding counterweight. This causes the loads on the structural members of the crane, such as superstructure, slewing ring, undercarriage, and outriggers, to be applied centrally while relieving the boom assembly.

The additional counterweight is automatically lifted of the ground when attempting to pick up a load with the Superlift, so that the upper can be swung as desired. The Superlift Attachment consists of the following components which are readily mounted to our standard crane without major modifications:

- (a) Superlift Mast with head sheaves
- (b) Superlift Backstops
- (c) Counterweight Suspension Cables
- (d) Boom-Hoist Bridle
- (e) Additional Counterweight
- (f) Additional Hydraulic and Electric Controls
- (g) Conversion Parts to Overload Cut-Out



Subject to change without notice

**DEMAG Baumaschinen**  
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