



Model 1870 Load Rating Chart

| Outriggers and stabilizers Extended | | | | | | | | | | | | | | | | |
|-------------------------------------|--------|-------------------------------|--------|--------|--------------------------------|--------|-------|--------------------------------|--------|-------|--------------------------------|--------|-------|--------------------------------|--------|-------|
| Operating Radius | | Load Rating 27' (8.23 m) Boom | | | Load Rating 40' (12.19 m) Boom | | | Load Rating 50' (15.24 m) Boom | | | Load Rating 60' (18.29 m) Boom | | | Load Rating 70' (21.34 m) Boom | | |
| Feet | Meters | Loaded Degree Angle | LBS | KG | Loaded Degree Angle | LBS | KG | Loaded Degree Angle | LBS | KG | Loaded Degree Angle | LBS | KG | Loaded Degree Angle | LBS | KG |
| 5' | 1.52 | 79° | 36,000 | 16,329 | | | | | | | | | | | | |
| 8' | 2.44 | 72° | 25,580 | 11,603 | 79° | 21,500 | 9,752 | | | | | | | | | |
| 10' | 3.05 | 68° | 21,630 | 9,811 | 76° | 19,540 | 8,863 | 79° | 15,810 | 7,171 | | | | | | |
| 12' | 3.66 | 63° | 18,790 | 8,523 | 73° | 16,890 | 7,661 | 77° | 13,620 | 6,178 | 79° | 12,780 | 5,797 | | | |
| 15' | 4.57 | 56° | 15,760 | 7,148 | 68° | 14,110 | 6,400 | 73° | 11,270 | 5,112 | 76° | 10,570 | 4,794 | 79° | 10,000 | 4,536 |
| 20' | 6.10 | 41° | 12,280 | 5,570 | 60° | 11,100 | 5,034 | 67° | 8,750 | 3,969 | 71° | 8,230 | 3,733 | 75° | 7,750 | 3,515 |
| 25' | 7.62 | 17° | 8,970 | 4,068 | 51° | 9,140 | 4,146 | 60° | 7,160 | 3,247 | 66° | 6,710 | 3,043 | 70° | 6,320 | 2,866 |
| 30' | 9.14 | | | | 41° | 7,660 | 3,474 | 53° | 6,010 | 2,726 | 61° | 5,630 | 2,553 | 66° | 5,280 | 2,395 |
| 35' | 10.67 | | | | 27° | 6,100 | 2,767 | 46° | 5,120 | 2,322 | 55° | 4,810 | 2,181 | 61° | 4,520 | 2,050 |
| 40' | 12.19 | | | | | | | 37° | 4,360 | 1,977 | 49° | 4,170 | 1,891 | 56° | 3,920 | 1,778 |
| 45' | 13.72 | | | | | | | 25° | 3,580 | 1,623 | 42° | 3,620 | 1,642 | 51° | 3,430 | 1,555 |
| 50' | 15.24 | | | | | | | | | | 34° | 3,110 | 1,410 | 45° | 3,010 | 1,365 |
| 55' | 16.76 | | | | | | | | | | 23° | 2,550 | 1,156 | 39° | 2,630 | 1,193 |
| 60' | 18.29 | | | | | | | | | | | | | 31° | 2,260 | 1,025 |
| 65' | 19.81 | | | | | | | | | | | | | 21° | 1,830 | 830 |
| Deduction for stowed Jib | | | | | | | | | | | | | | | | |
| | | | 670 | 304 | | 450 | 204 | | 360 | 163 | | 300 | 136 | | 260 | 118 |

INFORMATION: Deductions must be made from rated loads for stowed jib, optional attachments, hooks, and load blocks (see deduction chart). Weights of slings and all other load handling devices shall be considered a part of the load.

Warning: Before operating any Manitex crane, the operator must read and understand the owner's manual and other instructions for a specific serial number crane. This chart is only a guide. The notes and warnings are for illustration only and cannot be used to operate a crane.

The operating radius shown in the jib load rating chart is for fully extended boom only. When boom is not fully extended, use only loaded boom angle to determine load rating of jib. Do not rely on capacity-alert system when lifting from jib.



MEGA CRANES LTD.



| Jib Load Rating in LBS/KGS with Outriggers and Stabilizers Extended | | | | | | | |
|---|-------|---|-------|-------|--|-------|-------|
| Operating Radius | | Jib Load Rating 26' (7.93 m) jib for All Boom Lengths | | | Jib Load Rating 46' (14.02 m) Jib for All Boom Lengths | | |
| 20' | 6.10 | 79° | 4,900 | 2,223 | | | |
| 25 | 7.62 | 76° | 4,170 | 1,892 | 79° | 3,350 | 1,520 |
| 30 | 9.14 | 73° | 3,540 | 1,606 | 77° | 2,880 | 1,306 |
| 35 | 10.67 | 70° | 3,040 | 1,379 | 74° | 2,500 | 1,134 |
| 40 | 12.19 | 67° | 2,620 | 1,188 | 72° | 2,180 | 989 |
| 45 | 13.72 | 64° | 2,280 | 1,034 | 69° | 1,910 | 866 |
| 50 | 15.24 | 60° | 1,970 | 894 | 66° | 1,680 | 762 |
| 55 | 16.76 | 57° | 1,690 | 767 | 64° | 1,490 | 676 |
| 60 | 18.29 | 53° | 1,450 | 658 | 61° | 1,320 | 599 |
| 65 | 19.81 | 49° | 1,240 | 563 | 58° | 1,170 | 531 |
| 70 | 21.34 | 45° | 1,060 | 481 | 55° | 1,040 | 472 |
| 75 | 22.86 | 40° | 900 | 408 | 52° | 920 | 417 |
| 80 | 24.38 | 35° | 740 | 336 | 49° | 820 | 373 |
| 85 | 25.91 | | | | 45° | 730 | 331 |
| 90 | 27.43 | | | | 41° | 630 | 286 |
| 95 | 28.96 | | | | 37° | 540 | 245 |

| Deductions From Rated Loads for Manitex Supplied Load Handling Devices | | |
|--|----------------|---------|
| Hanger Sheave | 50 Lbs | 23 Kgs |
| Overhaul Ball | 120 Lbs | 54 Kgs |
| Single-Sheave Load Block | 260 Lbs | 118 Kgs |
| Double-Sheave Load Block | 350 Lbs | 159 Kgs |
| Hose Reel | 190 Lbs | 86 Kgs |
| Swing-Around Jib | See Load Chart | |