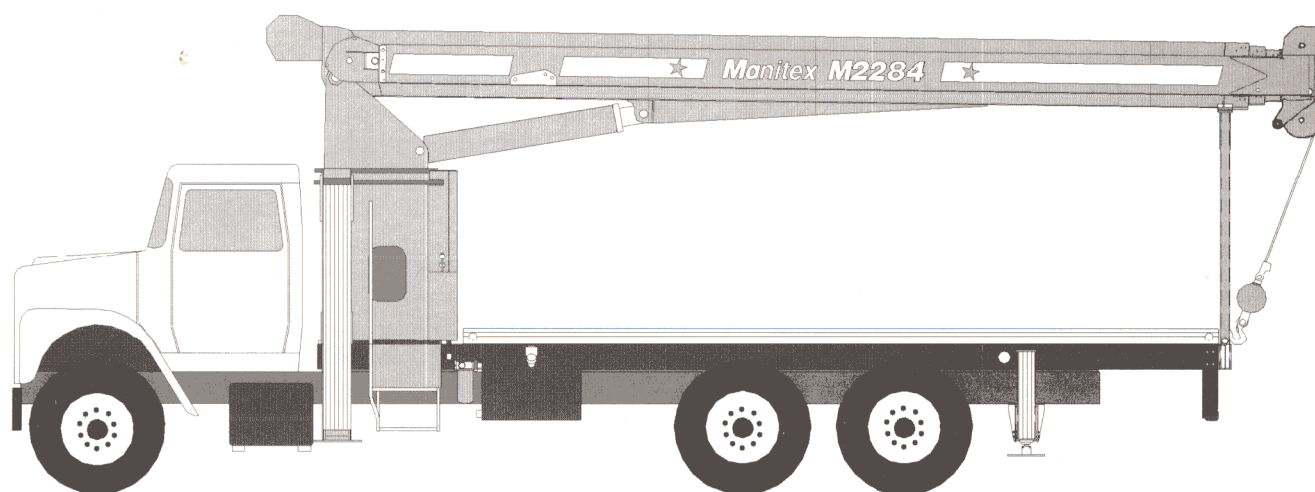




## Millennium Series™ M2200

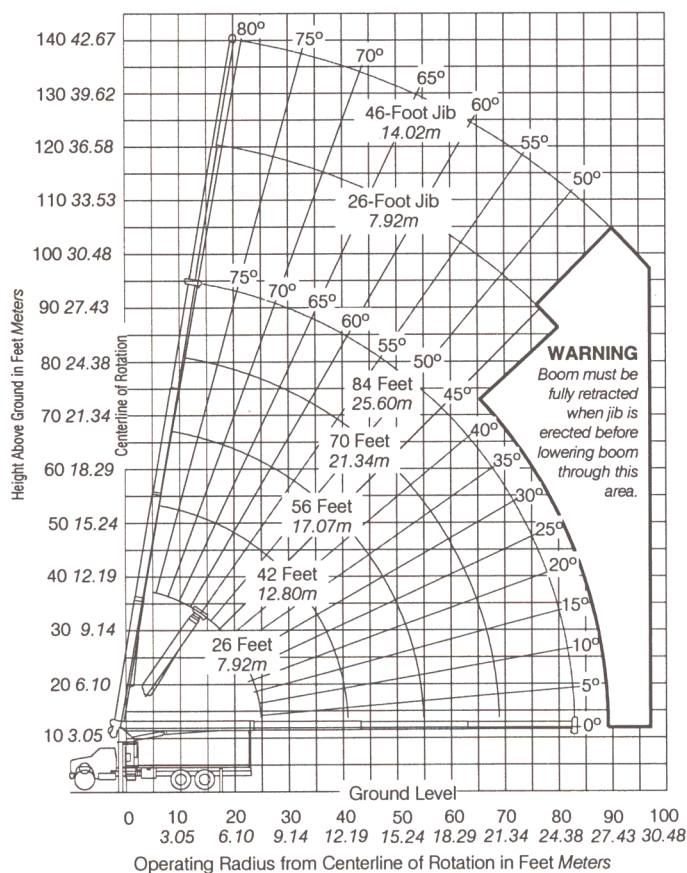
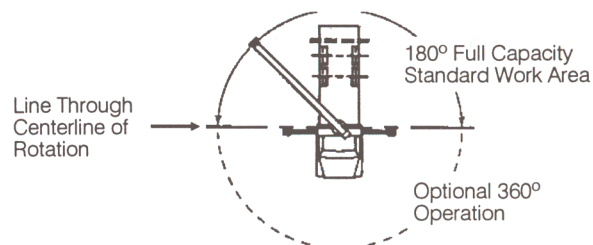
### General Specifications



Model shown is M2284 with optional jib.

#### STANDARD EQUIPMENT

- **M2284** - 4-Section telescopic boom  
26' to 84' (7.93m to 25.60m).
- **M2264** - 3-Section telescopic boom  
26' to 64' (7.93m to 19.50m).
- 2-Speed planetary hoist.
- 5-ton (4.5mt) hook and ball.
- 3-Sheave boom point.
- Anti-two-block shutoff.
- Boom hoist cylinder.
- System pressure gauge.
- 70-Gallon (265-liter) hydraulic reservoir.
- Removable boom rest.
- Finish paint in Manitex colors.
- Engine Start/Stop.
- Operator/service/parts manuals.
- 300' (91.44m) of  $\frac{9}{16}$ " (14.3mm) EIPS IWRC wire rope.
- 372° Non-continuous rotation.
- Pedestal, turret, rotation bearing and swing system.
- Dual operator control stations.
- Capacity-alert system - audio/visual warning.
- Audible outrigger/stabilizer motion alarm.
- Out-and-down rear stabilizers.
- A-frame link type outriggers.
- 3-Section vane type hydraulic pump.
- 20' (6.10m) Subframe.
- Signal horn.

**M2284 RANGE DIAGRAM****MODEL M2284****AREA OF OPERATION****ALLOWABLE LINE PULL**

| 1 PART LINE        | 2 PART LINE         | 3 PART LINE          | 4 PART LINE          | 5 PART LINE          | 6 PART LINE          |
|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                     |                      |                      |                      |                      |
| 8500 lb<br>3856 kg | 17000 lb<br>7711 kg | 25500 lb<br>11567 kg | 34000 lb<br>15422 kg | 42500 lb<br>19278 kg | 44000 lb<br>19958 kg |
| 7400 lb<br>3357 kg | 14800 lb<br>6713 kg | 22200 lb<br>10070 kg | 29600 lb<br>13426 kg | 37000 lb<br>16783 kg | 44000 lb<br>19958 kg |

**WARNING**

ANTI-TWO BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOAD ON DRUM AT ALL TIMES

9 1/2" (14.29mm) 6x25 WRC (3.5:1 SF), 29750 lb (13494 kg) Minimum breaking strength.

9 1/2" (14.29mm) Rotation resistant (5.0:1 SF), 37000 lb (16783 kg) Minimum breaking strength.

**WEIGHTS**

Total crane, including hydraulic fluid ..... 19,200 lb ..... 8,709 kg

26' (7.93m) Fixed-length jib ..... 819 lb ..... 372 kg

46' (14.02m) Telescopic jib ..... 1,220 lb ..... 553 kg

15-Ton (13.6-mt) Single-sheave block ..... 263 lb ..... 119 kg

25-Ton (22.7-mt) Triple-sheave block ..... 380 lb ..... 172 kg

Hanger sheave for 5- and 6-part line ..... 38 lb ..... 17 kg

20'4" (6.20m) Steel or wood bed ..... 1,900 lb ..... 862 kg

**DEDUCTIONS**

Hanger Sheave ..... 50 lb ..... 23 kg

Overhaul Ball ..... 120 lb ..... 54 kg

Single-Sheave Load Block ..... 260 lb ..... 118 kg

Double-Sheave Load Block ..... 350 lb ..... 159 kg

Triple-Sheave Load Block ..... 380 lb ..... 172 kg

Hose Reel ..... 140 lb ..... 64 kg

Swing-Around Jib ..... See Load Rating Chart

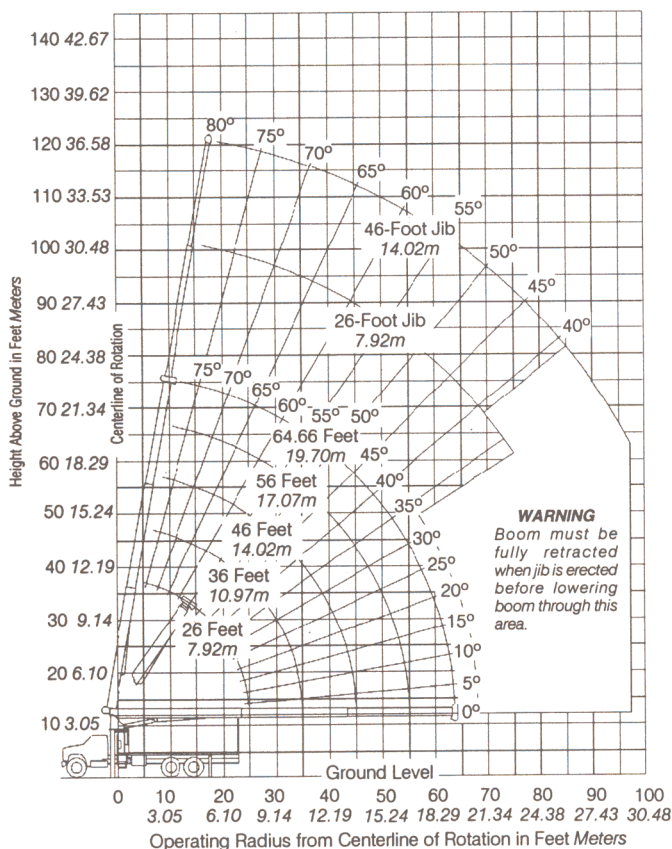
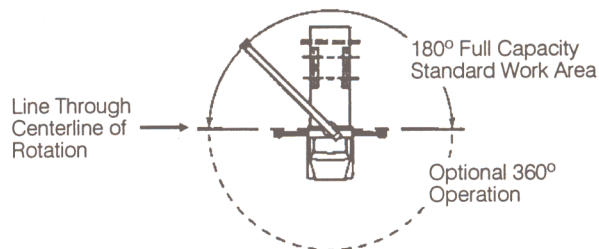
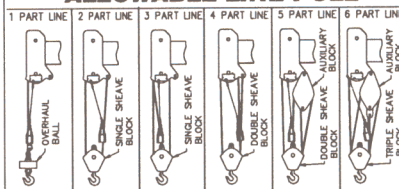
**WARNING** Lifting off the main boom point while the swing-around jib is erected is not intended or approved.

Outriggers and stabilizers fully extended and machine level.

**M2284 LOAD RATING CHART**

Meets ANSI B30.5 Requirements.

| Operating Radius |        | BOOM LOAD RATINGS                                                                                   |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       | JIB LOAD RATINGS        |       |       |                           |       |       |                         |       |       |  |  |
|------------------|--------|-----------------------------------------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------|--------|-------|-------------------------|--------|-------|-------------------------|--------|-------|-------------------------|-------|-------|---------------------------|-------|-------|-------------------------|-------|-------|--|--|
|                  |        | 26 Feet<br>7.92 Meters                                                                              |        |        | 42 Feet<br>12.80 Meters                                                                            |        |       | 56 Feet<br>17.07 Meters |        |       | 70 Feet<br>21.34 Meters |        |       | 84 Feet<br>25.60 Meters |       |       | 26 Foot<br>7.92 Meters    |       |       | 46 Foot<br>14.02 Meters |       |       |  |  |
| Feet             | Meters | ∠                                                                                                   | lb     | kg     | ∠                                                                                                  | lb     | kg    | ∠                       | lb     | kg    | ∠                       | lb     | kg    | ∠                       | lb    | kg    | ∠                         | lb    | kg    | ∠                       | lb    | kg    |  |  |
| 4                | 1.22   | 80°                                                                                                 | 44,000 | 19,958 |                                                                                                    |        |       |                         |        |       |                         |        |       |                         |       |       |                           |       |       |                         |       |       |  |  |
| 6                | 1.83   | 77°                                                                                                 | 34,600 | 15,694 |                                                                                                    |        |       |                         |        |       |                         |        |       |                         |       |       |                           |       |       |                         |       |       |  |  |
| 8                | 2.44   | 72°                                                                                                 | 27,800 | 12,610 |                                                                                                    |        |       |                         |        |       |                         |        |       |                         |       |       |                           |       |       |                         |       |       |  |  |
| 10               | 3.05   | 67°                                                                                                 | 23,350 | 10,591 | 77°                                                                                                | 20,000 | 9,072 |                         |        |       |                         |        |       |                         |       |       |                           |       |       |                         |       |       |  |  |
| 12               | 3.66   | 62°                                                                                                 | 20,200 | 9,163  | 74°                                                                                                | 17,860 | 8,101 | 79°                     | 16,400 | 7,439 |                         |        |       |                         |       |       |                           |       |       |                         |       |       |  |  |
| 14               | 4.27   | 57°                                                                                                 | 17,780 | 8,065  | 71°                                                                                                | 15,660 | 7,103 | 76°                     | 14,400 | 6,532 | 80°                     | 13,320 | 6,042 |                         |       |       |                           |       |       |                         |       |       |  |  |
| 16               | 4.88   | 51°                                                                                                 | 15,870 | 7,199  | 68°                                                                                                | 13,930 | 6,319 | 74°                     | 12,780 | 5,797 | 78°                     | 11,770 | 5,339 |                         |       |       |                           |       |       |                         |       |       |  |  |
| 20               | 6.10   | 38°                                                                                                 | 12,800 | 5,806  | 62°                                                                                                | 11,400 | 5,171 | 70°                     | 10,400 | 4,717 | 75°                     | 9,570  | 4,341 | 78°                     | 8,900 | 4,037 |                           |       |       |                         |       |       |  |  |
| 25               | 7.62   |                                                                                                     |        |        | 54°                                                                                                | 9,230  | 4,187 | 64°                     | 8,400  | 3,810 | 70°                     | 7,710  | 3,497 | 74°                     | 7,180 | 3,257 | 79°                       | 4,510 | 2,046 |                         |       |       |  |  |
| 30               | 9.14   |                                                                                                     |        |        | 44°                                                                                                | 7,630  | 3,461 | 58°                     | 7,000  | 3,175 | 66°                     | 6,410  | 2,908 | 71°                     | 5,910 | 2,681 | 76°                       | 3,890 | 1,764 | 79°                     | 3,100 | 1,406 |  |  |
| 35               | 10.67  |                                                                                                     |        |        | 33°                                                                                                | 6,260  | 2,839 | 52°                     | 5,910  | 2,681 | 61°                     | 5,410  | 2,454 | 67°                     | 4,980 | 2,259 | 74°                       | 3,350 | 1,520 | 77°                     | 2,800 | 1,270 |  |  |
| 40               | 12.19  |                                                                                                     |        |        | 14°                                                                                                | 4,500  | 2,041 | 45°                     | 5,040  | 2,286 | 56°                     | 4,630  | 2,100 | 63°                     | 4,260 | 1,932 | 71°                       | 2,900 | 1,315 | 75°                     | 2,520 | 1,143 |  |  |
| 45               | 13.72  |                                                                                                     |        |        |                                                                                                    |        |       | 37°                     | 4,260  | 1,932 | 51°                     | 4,000  | 1,814 | 59°                     | 3,670 | 1,665 | 68°                       | 2,500 | 1,134 | 72°                     | 2,240 | 1,016 |  |  |
| 50               | 15.24  |                                                                                                     |        |        |                                                                                                    |        |       | 26°                     | 3,470  | 1,574 | 45°                     | 3,460  | 1,569 | 55°                     | 3,190 | 1,447 | 65°                       | 2,170 | 984   | 70°                     | 1,980 | 898   |  |  |
| 55               | 16.76  |                                                                                                     |        |        |                                                                                                    |        |       |                         |        |       | 39°                     | 2,960  | 1,343 | 51°                     | 2,770 | 1,256 | 62°                       | 1,870 | 848   | 67°                     | 1,750 | 794   |  |  |
| 60               | 18.29  |                                                                                                     |        |        | This capacity chart is for reference only and must not be used for a specific serial number crane. |        |       |                         |        |       | 31°                     | 2,430  | 1,102 | 46°                     | 2,390 | 1,084 | 59°                       | 1,520 | 689   | 65°                     | 1,550 | 703   |  |  |
| 65               | 19.81  |                                                                                                     |        |        |                                                                                                    |        |       |                         |        |       | 21°                     | 1,920  | 871   | 41°                     | 2,010 | 912   | 56°                       | 1,240 | 562   | 63°                     | 1,370 | 621   |  |  |
| 70               | 21.34  |                                                                                                     |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       | 35°                     | 1,620 | 735   | 52°                       | 980   | 445   | 60°                     | 1,210 | 549   |  |  |
| 75               | 22.86  |                                                                                                     |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       | 27°                     | 1,300 | 590   | 49°                       | 760   | 345   | 57°                     | 1,050 | 476   |  |  |
| 80               | 24.38  |                                                                                                     |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       | 19°                     | 990   | 449   | 45°                       | 570   | 259   | 54°                     | 850   | 386   |  |  |
| 85               | 25.91  | Main boom load ratings are based on machine structural competence and do not exceed 85% of tipping. |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       |                         |       |       |                           |       |       | 51°                     | 680   | 308   |  |  |
| 90               | 27.43  | Do not operate crane or accessories within 10 feet, 3.05 meters, of live power lines.               |        |        |                                                                                                    |        |       |                         |        |       |                         |        |       |                         |       |       |                           |       |       | 48°                     | 520   | 236   |  |  |
| 7300015-004      |        |                                                                                                     | 650    | 295    |                                                                                                    | 400    | 181   |                         | 300    | 136   |                         | 250    | 113   |                         | 200   | 91    | Deductions for stowed jib |       |       |                         |       |       |  |  |

**M2264 RANGE DIAGRAM****MODEL M2264****AREA OF OPERATION****ALLOWABLE LINE PULL**

|                    |                     |                      |                      |                      |                      |
|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
| 8500 lb<br>3856 kg | 17000 lb<br>7711 kg | 25500 lb<br>11567 kg | 34000 lb<br>15422 kg | 42500 lb<br>19278 kg | 44000 lb<br>19958 kg |
| 7400 lb<br>3357 kg | 14800 lb<br>6713 kg | 22200 lb<br>10070 kg | 29600 lb<br>13426 kg | 37000 lb<br>16783 kg | 44000 lb<br>19958 kg |

**WARNING**

ANTI-TWO BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOAD ON DRUM AT ALL TIMES

**WEIGHTS**

|                                        |           |          |
|----------------------------------------|-----------|----------|
| Total crane, including hydraulic fluid | 18,070 lb | 8,196 kg |
| 26' (7.93m) Fixed-length jib           | 819 lb    | 372 kg   |
| 46' (14.02m) Telescopic jib            | 1,220 lb  | 553 kg   |
| 15-Ton (13.6-mt) Single-sheave block   | 263 lb    | 119 kg   |
| 25-Ton (22.7-mt) Triple-sheave block   | 380 lb    | 172 kg   |
| Hanger sheave for 5- and 6-part line   | 38 lb     | 17 kg    |
| 20'4" (6.20m) Steel or wood bed        | 1,900 lb  | 862 kg   |

**DEDUCTIONS**

|                          |        |        |
|--------------------------|--------|--------|
| Hanger Sheave            | 50 lb  | 23 kg  |
| Overhaul Ball            | 120 lb | 54 kg  |
| Single-Sheave Load Block | 260 lb | 118 kg |
| Double-Sheave Load Block | 350 lb | 159 kg |
| Triple-Sheave Load Block | 380 lb | 172 kg |

|                  |                       |       |
|------------------|-----------------------|-------|
| Hose Reel        | 140 lb                | 64 kg |
| Swing-Around Jib | See Load Rating Chart |       |

**WARNING** Lifting off the main boom point while the swing-around jib is erected is not intended or approved.

Outriggers and stabilizers fully extended and machine level.

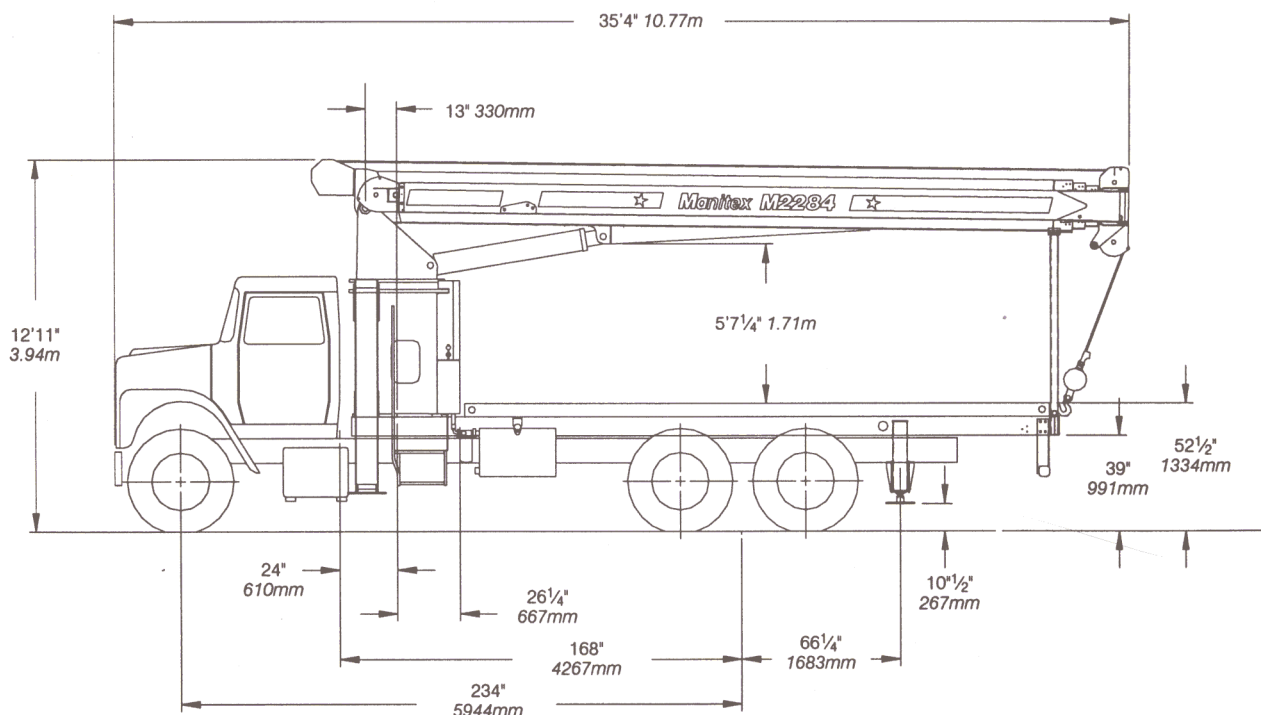
**M2264 LOAD RATING CHART**

Meets ANSI B30.5 Requirements.

| BOOM LOAD RATINGS |        |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       | JIB LOAD RATINGS           |        |                           |                        |       |       |                         |       |       |
|-------------------|--------|-----------------------------------------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------|--------|--------|-------------------------|--------|-------|-------------------------|--------|-------|----------------------------|--------|---------------------------|------------------------|-------|-------|-------------------------|-------|-------|
| Operating Radius  |        | 26 Feet<br>7.92 Meters                                                                              |        |        | 36 Feet<br>12.80 Meters                                                                            |        |        | 46 Feet<br>14.02 Meters |        |       | 56 Feet<br>17.07 Meters |        |       | 64.66 Feet<br>19.71 Meters |        |                           | 26 Foot<br>7.92 Meters |       |       | 46 Foot<br>14.02 Meters |       |       |
| Feet              | Meters | ∠                                                                                                   | lb     | kg     | ∠                                                                                                  | lb     | kg     | ∠                       | lb     | kg    | ∠                       | lb     | kg    | ∠                          | lb     | kg                        | ∠                      | lb    | kg    | ∠                       | lb    | kg    |
| 4                 | 1.22   | 80°                                                                                                 | 44,000 | 19,958 |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           |                        |       |       |                         |       |       |
| 6                 | 1.83   | 77°                                                                                                 | 35,200 | 15,966 |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           |                        |       |       |                         |       |       |
| 8                 | 2.44   | 72°                                                                                                 | 28,400 | 12,882 | 77°                                                                                                | 26,500 | 12,020 |                         |        |       |                         |        |       |                            |        |                           |                        |       |       |                         |       |       |
| 10                | 3.05   | 67°                                                                                                 | 23,900 | 10,841 | 74°                                                                                                | 22,100 | 10,024 | 78°                     | 20,800 | 9,435 |                         |        |       |                            |        |                           |                        |       |       |                         |       |       |
| 12                | 3.66   | 62°                                                                                                 | 20,800 | 9,435  | 71°                                                                                                | 19,100 | 8,664  | 75°                     | 17,850 | 8,097 | 79°                     | 16,880 | 7,657 | 80°                        | 16,200 | 7,348                     |                        |       |       |                         |       |       |
| 14                | 4.27   | 57°                                                                                                 | 18,300 | 8,301  | 67°                                                                                                | 16,800 | 7,620  | 73°                     | 15,700 | 7,121 | 76°                     | 14,850 | 6,736 | 79°                        | 14,070 | 6,382                     |                        |       |       |                         |       |       |
| 16                | 4.88   | 51°                                                                                                 | 16,450 | 7,462  | 64°                                                                                                | 15,060 | 6,831  | 70°                     | 14,000 | 6,350 | 74°                     | 13,210 | 5,992 | 77°                        | 12,540 | 5,688                     | 80°                    | 5,500 | 2,495 |                         |       |       |
| 20                | 6.10   | 38°                                                                                                 | 13,380 | 6,069  | 56°                                                                                                | 12,440 | 5,643  | 65°                     | 11,530 | 5,230 | 70°                     | 10,830 | 4,912 | 73°                        | 10,320 | 4,681                     | 78°                    | 4,450 | 2,018 | 80°                     | 3,100 | 1,406 |
| 25                | 7.62   |                                                                                                     |        |        | 46°                                                                                                | 10,130 | 4,595  | 57°                     | 9,440  | 4,282 | 64°                     | 8,830  | 4,005 | 68°                        | 8,440  | 3,828                     | 75°                    | 3,620 | 1,642 | 78°                     | 2,510 | 1,139 |
| 30                | 9.14   |                                                                                                     |        |        | 32°                                                                                                | 8,260  | 3,747  | 49°                     | 7,930  | 3,597 | 58°                     | 7,420  | 3,366 | 63°                        | 7,040  | 3,193                     | 71°                    | 3,050 | 1,383 | 75°                     | 2,110 | 957   |
| 35                | 10.67  |                                                                                                     |        |        |                                                                                                    |        |        | 40°                     | 6,720  | 3,048 | 52°                     | 6,370  | 2,889 | 58°                        | 6,030  | 2,735                     | 68°                    | 2,640 | 1,116 | 72°                     | 1,830 | 830   |
| 40                | 12.19  |                                                                                                     |        |        |                                                                                                    |        |        | 29°                     | 5,580  | 2,531 | 45°                     | 5,500  | 2,495 | 53°                        | 5,230  | 2,372                     | 65°                    | 2,340 | 1,061 | 70°                     | 1,610 | 730   |
| 45                | 13.72  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       | 37°                     | 4,720  | 2,141 | 47°                        | 4,560  | 2,068                     | 61°                    | 2,090 | 948   | 67°                     | 1,440 | 653   |
| 50                | 15.24  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       | 26°                     | 3,940  | 1,787 | 40°                        | 3,980  | 1,805                     | 57°                    | 1,890 | 857   | 64°                     | 1,300 | 590   |
| 55                | 16.76  |                                                                                                     |        |        | This capacity chart is for reference only and must not be used for a specific serial number crane. |        |        |                         |        |       |                         |        |       | 32°                        | 3,410  | 1,547                     | 54°                    | 1,730 | 785   | 61°                     | 1,190 | 540   |
| 60                | 18.29  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       | 21°                        | 2,760  | 1,252                     | 49°                    | 1,590 | 721   | 58°                     | 1,090 | 494   |
| 65                | 19.81  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           | 45°                    | 1,450 | 658   | 55°                     | 1,010 | 458   |
| 70                | 21.34  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           | 40°                    | 1,350 | 612   | 52°                     | 940   | 426   |
| 75                | 22.86  |                                                                                                     |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           | 35°                    | 1,250 | 567   | 48°                     | 850   | 386   |
| 80                | 24.38  | Main boom load ratings are based on machine structural competence and do not exceed 85% of tipping. |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           |                        |       | 45°   | 800                     | 363   |       |
| 85                | 25.91  | Do not operate crane or accessories within 10 feet, 3.05 meters, of live power lines.               |        |        |                                                                                                    |        |        |                         |        |       |                         |        |       |                            |        |                           |                        |       | 41°   | 750                     | 340   |       |
| 7300015-005       |        | 650                                                                                                 | 295    |        | 470                                                                                                | 213    |        | 370                     | 168    |       | 300                     | 136    |       | 260                        | 118    | Deductions for stowed jib |                        |       |       |                         |       |       |



## M2200 SERIES OUTLINE DIMENSIONS



These dimensions are general, not for Engineering. Some dimensions depend on truck selection. Dimensions shown on this page apply to both the M2284 and the M2264 models.

### TRUCK CHASSIS DATA

#### Minimum Requirements for M2200 Series

Some configurations and options may increase requirements.

|                                      |                      |             |
|--------------------------------------|----------------------|-------------|
| Wheelbase .....                      | 234 In.              | 5,944mm     |
| Cab to Axle .....                    | 168 In.              | 4,267mm     |
| Frame Section Modulus .....          | 110,000 psj          | 758,450 kPa |
|                                      | 20.0 In <sup>3</sup> | 328cc       |
| Nominal Frame Width .....            | 34 In.               | 864mm       |
| Front Axle Gross Weight Rating ..... | 14,000 lb            | 6,350 kg    |
| Rear Axle Gross Weight Rating .....  | 38,000 lb            | 17,237 kg   |

#### M2200 Series

