



MAXIMUM ALLOWABLE TRAVELING SPECIFICATIONS

M-250T

**BOOM NO. 44A WITH LONG REACH TOP AND FIXED JIB NO. 132
MANITOWOC 16 X 8 CARRIER WITH 145 PSI (1000 kPa) RIMS**

ALLOWABLE RATINGS ARE BASED ON MANUFACTURER'S PERMISSIBLE RATINGS FOR AXLES, TIRES, 145 PSI (1000 kPa) RIMS, AND OTHER COMPONENTS AND SHOULD NOT BE EXCEEDED FOR THE SPEEDS AND THE PRESSURES SHOWN.

MANITOWOC 16 X 8 CARRIER - 390" (9 906 mm) WHEELBASE EQUIPPED WITH 5 AXLE GROUP IN FRONT AND 3 AXLE GROUP IN REAR.

CREEP SPEED = 1.2 MPH (2 kms/hr).

| MAXIMUM ALLOWABLE TRAVELING WEIGHT | | | | | | | | | |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| TRAVEL SPEED - MPH | STATIC | 1.2 | 2.5 | 5 | 10 | 20 | 30 | 40 | 50 |
| TRAVEL SPEED - kms/hr | STATIC | 2 | 4 | 8 | 16 | 30 | 50 | 65 | 80 |
| FRONT AXLE GROUP - LBS. | 391,400 | 323,000 | 280,000 | 248,000 | 202,800 | 172,000 | 156,600 | 142,200 | 109,100 |
| FRONT AXLE GROUP - kg | 177 540 | 146 510 | 127 010 | 112 490 | 91 990 | 78 020 | 71 030 | 64 500 | 49 490 |
| REAR AXLE GROUP - LBS. | 234,800 | 193,800 | 168,000 | 148,800 | 121,700 | 103,200 | 93,900 | 85,300 | 65,400 |
| REAR AXLE GROUP - kg | 106 500 | 87 910 | 76 200 | 67 490 | 55 200 | 46 810 | 42 590 | 38 690 | 29 660 |
| GROSS VEHICLE WT. - LBS. | 626,200 | 516,800 | 448,000 | 396,800 | 324,500 | 275,200 | 250,500 | 227,500 | 174,500 |
| GROSS VEHICLE WT. - kg | 284 040 | 234 420 | 203 210 | 179 990 | 147 190 | 124 830 | 113 620 | 103 190 | 79 150 |
| TIRE PRESSURE - PSI | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 |
| TIRE PRESSURE - kPa | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

MICHELIN XVC 14.00 R 25 (385/95 R 25) 32 P.R. 170 E LOAD INDEX AND SPEED SYMBOL.

REFER TO WEIGHT DISTRIBUTION CHART NO. 7634-B AND MAXIMUM ALLOWABLE TRAVELING WEIGHT TABLE SHOWN ABOVE FOR AXLE GROUP LOADINGS WHEN EQUIPPED WITH VARIOUS COMPONENTS.

JIB LENGTHS SHOWN IN TABLE ON PAGE 2 INCLUDES ALL OFFSETS.

LOAD BLOCK SUSPENDED BELOW MAIN BOOM POINT AND HOOK AND WEIGHT BALL SUSPENDED BELOW UPPER BOOM POINT OR JIB POINT FOR JOBSITE MOVES.

MACHINE TO TRAVEL WITHOUT LOAD ON A FIRM AND UNIFORMLY SUPPORTING SURFACE. THE GRADE IN THE DIRECTION OF TRAVEL SHOULD NOT EXCEED 5 PERCENT (3 DEGREES); SIDE-TO-SIDE GRADE MUST NOT EXCEED 1 PERCENT (.5 DEGREES).

TRAVEL WITH FULLY RIGGED BOOM/JIB AND 123,200 LB. (55 880 kg) COUNTERWEIGHT ATTACHED IS LIMITED TO CREEP SPEED ONLY. RECOMMEND MOVEMENT WITH OUTRIGGERS SPREAD AND JACKS SET CLOSE TO GROUND TO PREVENT TIPPING. SEE MACHINE TRAVEL TABLES ON PAGE 2.

TRAVEL WITH NO BOOM ATTACHED (LOWER BUTT SECTION ONLY ATTACHED) IS LIMITED TO 2.5 MPH (4 km/hr) WITH UPPER FACING REAR ONLY AND MAXIMUM OF 123,200 LB. (55 880 kg) COUNTERWEIGHT ATTACHED OR LIMITED TO CREEP WITH NO BOOM ATTACHED (LOWER BUTT SECTION ONLY ATTACHED) AND COUNTERWEIGHT GREATER THAN 123,200 LBS. (55 880 kg) ATTACHED WITH UPPER FACING REAR ONLY.

REFER TO OPERATOR'S MANUAL FOR VARIOUS HYDRAULIC SUSPENSION MODES WHEN TRAVELING.

NOTE: UPPERWORKS MUST ALWAYS BE FACING REAR WHEN ON RUBBER AND COUNTERWEIGHTS ARE ATTACHED. DO NOT ROTATE UPPERWORKS OVER SIDE WITH COUNTERWEIGHTS ATTACHED UNLESS OUTRIGGERS ARE SPREAD AND SET.

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



MAXIMUM ALLOWABLE TRAVELING SPECIFICATIONS

M-250T

BOOM NO. 44A WITH LONG REACH TOP AND FIXED JIB NO. 132
 MANITOWOC 16 X 8 CARRIER WITH 145 PSI (1000 kPa) RIMS

| MACHINE TRAVEL WITHOUT LOAD - BOOM ONLY - JOBSITE MOVES AT 1.2 MPH (2 km/hr) CREEP 123,200 LB. (55 880 kg) CRANE COUNTERWEIGHT - GANTRY UP WITH PENDANTS ATTACHED TO BOOM TOP | | | | | | | | | | | | | |
|--|--------|---|-------|-------------|-------|-------------|-------|--|-------|-------------|-------|-------------|-------|
| BOOM LENGTH | | UPPER FACING REAR BOOM ANGLE RANGE IN DEGREES PERCENT GRADE | | | | | | UPPER FACING FRONT BOOM ANGLE RANGE IN DEGREES PERCENT GRADE | | | | | |
| | | DOWN 5% | | LEVEL 0% | | UP 5% | | DOWN 5% | | LEVEL 0% | | UP 5% | |
| | | RECOMMENDED | | RECOMMENDED | | RECOMMENDED | | RECOMMENDED | | RECOMMENDED | | RECOMMENDED | |
| FEET | METERS | RANGE | ANGLE | RANGE | ANGLE | RANGE | ANGLE | RANGE | ANGLE | RANGE | ANGLE | RANGE | ANGLE |
| 190 | 57.9 | 68 - 77 | 74 | 74 - 80 | 78 | --- | --- | 5 - 52 | 16 | 5 - 46 | 16 | 5 - 40 | 12 |
| 200 | 61.0 | 70 - 77 | 74 | 76 - 80 | 78 | --- | --- | 5 - 54 | 18 | 5 - 50 | 18 | 5 - 44 | 14 |
| 210 | 64.0 | 72 - 77 | 76 | 76 - 80 | 78 | --- | --- | 5 - 58 | 24 | 5 - 52 | 24 | 5 - 48 | 20 |
| 220 | 67.1 | --- | --- | --- | --- | --- | --- | 16 - 60 | 34 | 5 - 56 | 30 | 5 - 50 | 26 |
| 230 | 70.1 | --- | --- | --- | --- | --- | --- | 30 - 62 | 42 | 22 - 58 | 38 | 14 - 52 | 34 |
| 240 | 73.2 | --- | --- | --- | --- | --- | --- | 38 - 64 | 50 | 34 - 60 | 46 | 26 - 54 | 42 |
| 250 | 76.2 | --- | --- | --- | --- | --- | --- | 42 - 66 | 54 | 38 - 60 | 50 | 32 - 56 | 46 |
| 260 | 79.2 | --- | --- | --- | --- | --- | --- | 48 - 66 | 56 | 44 - 62 | 52 | 38 - 58 | 48 |
| 270 | 82.3 | --- | --- | --- | --- | --- | --- | 52 - 68 | 58 | 48 - 64 | 54 | 42 - 60 | 50 |
| 280 | 85.3 | --- | --- | --- | --- | --- | --- | 56 - 70 | 62 | 52 - 66 | 58 | 46 - 62 | 56 |

| MACHINE TRAVEL WITHOUT LOAD - BOOM AND FIXED JIB NO. 132 | | | | | | | | | |
|---|-------------|--|-------|-------------|-------|-------------|-------|--|--|
| JOBSITE MOVES AT 1.2 MPH (2 km/hr) CREEP 123,200 LB. (55 880 kg) CRANE COUNTERWEIGHT GANTRY UP WITH PENDANTS ATTACHED TO BOOM TOP | | | | | | | | | |
| BOOM • JIB LENGTH | | UPPER FACING FRONT BOOM ANGLE RANGE IN DEGREES PERCENT GRADE | | | | | | | |
| | | DOWN 5% | | LEVEL 0% | | UP 5% | | | |
| | | RECOMMENDED | | RECOMMENDED | | RECOMMENDED | | | |
| FEET | METERS | RANGE | ANGLE | RANGE | ANGLE | RANGE | ANGLE | | |
| 190 • 40 | 57.9 • 12.2 | 12 - 58 | 42 | 12 - 54 | 38 | 12 - 48 | 34 | | |
| 190 • 60 | 57.9 • 18.3 | 16 - 60 | 44 | 16 - 56 | 40 | 16 - 50 | 36 | | |
| 190 • 80 | 57.9 • 24.4 | 28 - 62 | 46 | 20 - 56 | 42 | 18 - 52 | 38 | | |
| 190 • 100 | 57.9 • 30.5 | 34 - 64 | 48 | 28 - 58 | 44 | 22 - 54 | 40 | | |
| 190 • 120 | 57.9 • 36.6 | 40 - 64 | 50 | 36 - 60 | 46 | 28 - 56 | 42 | | |
| 200 • 40 | 61.0 • 12.2 | 24 - 60 | 44 | 14 - 56 | 40 | 12 - 52 | 36 | | |
| 200 • 60 | 61.0 • 18.3 | 32 - 62 | 46 | 24 - 58 | 42 | 16 - 54 | 38 | | |
| 200 • 80 | 61.0 • 24.4 | 38 - 64 | 48 | 32 - 60 | 44 | 24 - 54 | 40 | | |
| 200 • 100 | 61.0 • 30.5 | 42 - 64 | 50 | 38 - 60 | 46 | 32 - 56 | 42 | | |
| 200 • 120 | 61.0 • 36.6 | 46 - 66 | 52 | 42 - 62 | 48 | 36 - 58 | 44 | | |
| 210 • 40 | 64.0 • 12.2 | 34 - 62 | 48 | 26 - 58 | 44 | 20 - 54 | 40 | | |
| 210 • 60 | 64.0 • 18.3 | 38 - 64 | 50 | 32 - 60 | 46 | 26 - 56 | 42 | | |
| 210 • 80 | 64.0 • 24.4 | 44 - 66 | 54 | 38 - 60 | 50 | 32 - 56 | 46 | | |
| 210 • 100 | 64.0 • 30.5 | 48 - 66 | 56 | 42 - 62 | 52 | 36 - 58 | 48 | | |
| 210 • 120 | 64.0 • 36.6 | 50 - 68 | 58 | 46 - 64 | 54 | 40 - 58 | 50 | | |
| 220 • 40 | 67.1 • 12.2 | 40 - 64 | 52 | 36 - 60 | 48 | 30 - 56 | 44 | | |
| 220 • 60 | 67.1 • 18.3 | 46 - 66 | 54 | 40 - 62 | 50 | 34 - 56 | 46 | | |
| 220 • 80 | 67.1 • 24.4 | 48 - 66 | 56 | 44 - 62 | 52 | 38 - 58 | 48 | | |
| 220 • 100 | 67.1 • 30.5 | 52 - 68 | 60 | 48 - 64 | 56 | 42 - 60 | 52 | | |
| 220 • 120 | 67.1 • 36.6 | 56 - 68 | 62 | 50 - 64 | 58 | 46 - 60 | 54 | | |
| 230 • 40 | 70.1 • 12.2 | 46 - 66 | 54 | 42 - 62 | 50 | 36 - 58 | 46 | | |
| 230 • 60 | 70.1 • 18.3 | 50 - 68 | 56 | 44 - 62 | 52 | 40 - 58 | 48 | | |
| 230 • 80 | 70.1 • 24.4 | 52 - 68 | 60 | 48 - 64 | 56 | 44 - 60 | 52 | | |
| 230 • 100 | 70.1 • 30.5 | 54 - 70 | 62 | 52 - 64 | 58 | 46 - 60 | 54 | | |
| 230 • 120 | 70.1 • 36.6 | 58 - 70 | 64 | 54 - 66 | 60 | 50 - 62 | 56 | | |
| 240 • 40 | 73.2 • 12.2 | 52 - 68 | 60 | 46 - 64 | 56 | 42 - 60 | 52 | | |
| 240 • 60 | 73.2 • 18.3 | 54 - 68 | 62 | 50 - 64 | 58 | 44 - 60 | 54 | | |
| 240 • 80 | 73.2 • 24.4 | 56 - 70 | 64 | 52 - 66 | 60 | 48 - 62 | 56 | | |
| 250 • 40 | 76.2 • 12.2 | 54 - 68 | 60 | 50 - 64 | 56 | 44 - 60 | 52 | | |
| 250 • 60 | 76.2 • 18.3 | 56 - 70 | 64 | 52 - 66 | 60 | 48 - 62 | 56 | | |
| 250 • 80 | 76.2 • 24.4 | 58 - 70 | 64 | 54 - 66 | 60 | 50 - 62 | 56 | | |
| 260 • 40 | 79.2 • 12.2 | 58 - 70 | 64 | 54 - 66 | 60 | 48 - 62 | 56 | | |