

Technical sheet :

# M-X 50-2

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 **MANITOU**  
HANDLING YOUR WORLD

| Technical characteristics |  | Metric |                             |
|---------------------------|--|--------|-----------------------------|
| 1.1                       | Manufacturer   |        | Manitou                     |
| 1.2                       | Model Name   |        | M-X 50-2                    |
| 1.3                       | Power source   |        | Diesel                      |
| 1.4                       | Operator type  |        | Seated                      |
| 1.5                       | Max. capacity  | Q      | 5000 kg                     |
| 1.6                       | Load center of gravity                               | c      | 600 mm                      |
| 1.8                       | Load distance, centre of drive axle to fork          | x      | 772 mm                      |
| 1.9                       | Wheelbase  | y      | 2120 mm                     |
| Weight                    |  |        |                             |
| 2.1                       | Service weight                                       |        | 7480 kg                     |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)     |        | 10895 kg / 1930 kg          |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen) |        | 2645 kg / 5180 kg           |
| Wheels                    |  |        |                             |
| 3.1                       | Tires type   |        | Pneumatic                   |
| 3.3                       | Dimensions of rear wheels                            |        | 10R17,5 134/132M G291       |
| 3.5                       | Number of front wheels / rear wheels                 |        | 2 / 2                       |
| 3.5.2                     | Number of drive wheels                               |        | 2                           |
| 3.6                       | Front wheel gauge                                    | b10    | 1620 mm                     |
| Dimensions                |  |        |                             |
| 4.7                       | Height of overhead guard (cabin)                     | h6     | 2420 mm                     |
| 4.19                      | Overall length                                       | l1     | 4955 mm                     |
| 4.20                      | Length to face of forks                              | l2     | 3755 mm                     |
| 4.21                      | Overall width  | b1     | 2060 mm                     |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B              |        | 4A                          |
| 4.24                      | Fork carriage width                                  | b3     | 1670 mm                     |
| 4.31                      | Ground clearance below mast                          | m1     | 265 mm                      |
| 4.32                      | Ground clearance at centre of wheelbase              | m2     | 365 mm                      |
| 4.35                      | Turning radius                                       | Wa     | 3395 mm                     |
| Performances              |  |        |                             |
| 5.1                       | Travel speed (laden)                                 |        | 22.80 km/h                  |
| 5.2                       | Lifting speed (laden / unladen)                      |        | 0.40 m/s / 0.40 m/s         |
| 5.3                       | Lowering speed (laden / unladen)                     |        | 0.50 m/s / 0.40 m/s         |
| 5.5                       | Drawbar pull (Laden / Unladen)                       |        | 5685 daN / 3665 daN         |
| 5.10                      | Service brake  |        | Hydraulic                   |
| Engine                    |  |        |                             |
| 7.1                       | Engine brand / model                                 |        | Perkins / 1104D-44T NL38894 |
| 7.3                       | Rated speed  |        | 2360 rpm                    |
| Miscellaneous             |  |        |                             |
| 8.1                       | Type of drive control                                |        | Hydraulic                   |

### M-X 50-2 - Dimensional drawing







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