

Technical sheet :

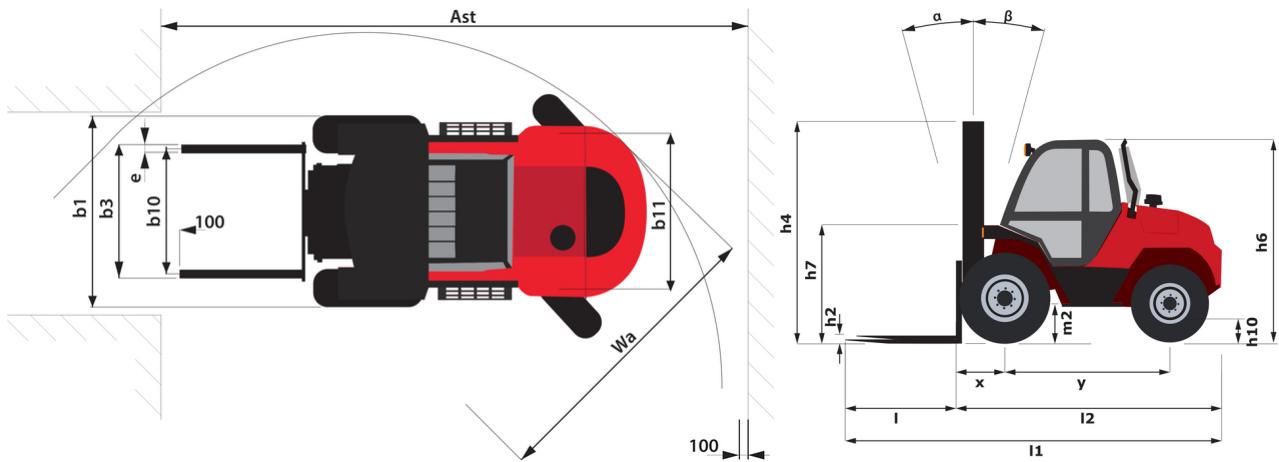
# M-X 50-2



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| 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                    |  | 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                    |  | 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                |  | 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              |  | 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                    |  | Engine        |  |
| 7.1                       | Engine brand / model / norm                          |               | Perkins / 1104D-44T NL38894 / Stage IIIA |
| 7.2                       | Engine power (Hp / kW)                               |               | 95 Hp/70 kW                              |
| 7.3                       | Rated speed  |               | 2360 rpm                                 |
| Miscellaneous             |  | Miscellaneous |  |
| 8.1                       | Type of drive control                                |               | Hydraulic                                |

## M-X 50-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)          | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward  | °      | 15     | 15     | 15     | 15     | 15     | 15     |
| β - Mast/fork carriage tilt, backward | °      | 15     | 15     | 15     | 15     | 15     | 15     |
| h1 - Mast lowered height              | mm     | 2475   | 2625   | 2725   | 2825   | 2975   | 3225   |
| h4 - Mast extended height             | mm     | 4025   | 4325   | 4525   | 4725   | 5025   | 5525   |
| Height at max capacity                | mm     | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |



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