Technical sheet:

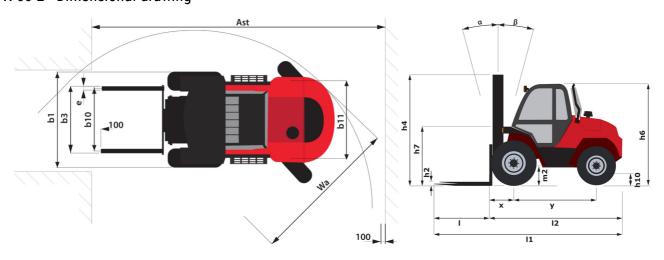
## **M-X 50-2**





|       |  | M-X 5U-2 G | eated on November 7, 2025 at 4.08 PM 0   |
|-------|--|------------|--|
|       | 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  | у          | 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                              | 12         | 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 / norm                          |            | Perkins / 1104D-44T NL38894 / Stage IIIA |
| 7.2   | Engine power (Hp / kW)                               |            | 95 Hp/70 kW                              |
| 7.3   | Rated speed  |            | 2360 rpm                                 |
|       | 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  | ۰  | 15     | 15     | 15     | 15     | 15     | 15     | 15     |
| β - Mast/fork carriage tilt, backward | ۰  | 15     | 15     | 15     | 15     | 15     | 15     | 15     |
| h1 - Mast lowered height              | mm | 2475   | 2625   | 2725   | 2825   | 2975   | 3225   | 3475   |
| h4 - Mast extended height             | mm | 4025   | 4325   | 4525   | 4725   | 5025   | 5525   | 6025   |
| Height at max capacity                | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Free Lift Triplex (FLT)                  |  | FLT 37 | FLT 40 | FLT 43 | FLT 45 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|--|--|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward     | ı - Mast/fork carriage tilt, forward ° |        | 15     | 15     | 15     | 15     | 10     | 10     | 10     |
| β - Mast/fork carriage tilt,<br>backward | ٠                                      | 15     | 15     | 15     | 15     | 15     | 15     | 15     | 15     |
| h1 - Mast lowered height                 | mm                                     | 2225   | 2325   | 2425   | 2500   | 2560   | 2675   | 2825   | 3000   |
| h2 - Mast free lift                      | mm                                     | 1265   | 1365   | 1465   | 1540   | 1600   | 1715   | 1865   | 2040   |
| h4 - Mast extended height                | mm                                     | 4725   | 5025   | 5325   | 5525   | 5725   | 6025   | 6525   | 7025   |
| Height at max canacity                   | mm                                     | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |





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