

Technical sheet :

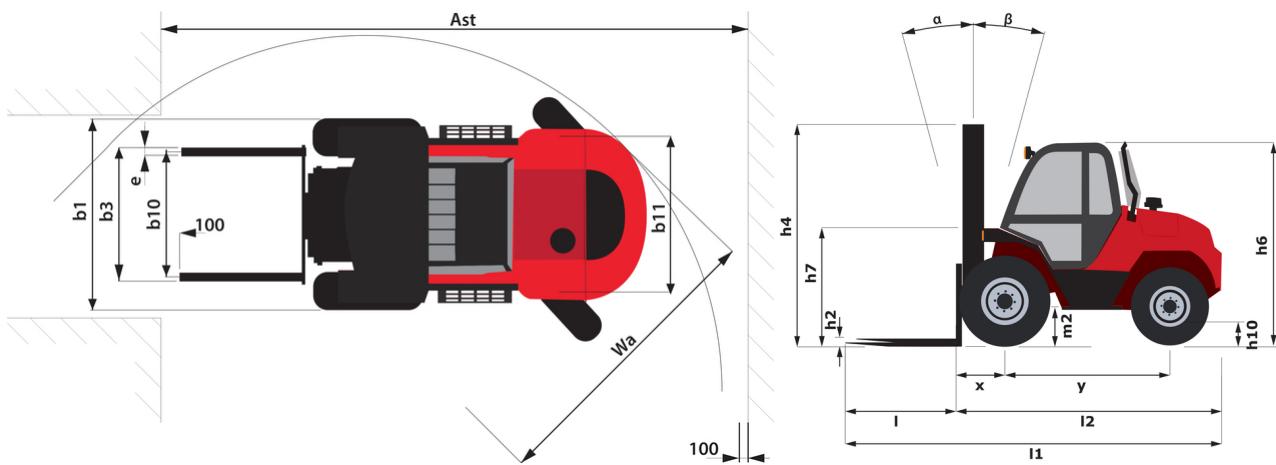
# M-X 50-4



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| Technical characteristics |  | Metric        |  |
|---------------------------|--|---------------|--|
| 1.1                       | Manufacturer   |               | Manitou                                  |
| 1.2                       | Model Name   |               | M-X 50-4                                 |
| 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             | 762 mm                                   |
| 1.9                       | Wheelbase  | y             | 2120 mm                                  |
| Weight                    |  | Weight        |  |
| 2.1                       | Service weight                                       |               | 7660 kg                                  |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)     |               | 10800 kg / 1869 kg                       |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen) |               | 2570 kg / 5090 kg                        |
| Wheels                    |  | Wheels        |  |
| 3.1                       | Tires type   |               | Pneumatic                                |
| 3.3                       | Dimensions of rear wheels                            |               | 340/80R18 XMCL 143A8                     |
| 3.5                       | Number of front wheels / rear wheels                 |               | 2 / 2                                    |
| 3.5.2                     | Number of drive wheels                               |               | 4  |
| 3.6                       | Front wheel gauge                                    | b10           | 1620 mm                                  |
| Dimensions                |  | Dimensions    |  |
| 4.7                       | Height of overhead guard (cabin)                     | h6            | 2495 mm                                  |
| 4.19                      | Overall length                                       | l1            | 4945 mm                                  |
| 4.20                      | Length to face of forks                              | l2            | 3745 mm                                  |
| 4.21                      | Overall width  | b1            | 2080 mm                                  |
| 4.22                      | Forks section x width x length                       | s / e / l     | 50 mm x 150 mm / 1200 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            | 375 mm                                   |
| 4.35                      | Turning radius                                       | Wa            | 4155 mm                                  |
| Performances              |  | Performances  |  |
| 5.1                       | Travel speed (laden / unladen)                       |               | 24 km/h / 23.40 km/h                     |
| 5.2                       | Lifting speed (laden / unladen)                      |               | 0.40 m/s / 0.50 m/s                      |
| 5.3                       | Lowering speed (laden / unladen)                     |               | 0.40 m/s / 0.40 m/s                      |
| 5.5                       | Drawbar pull (Laden / Unladen)                       |               | 10360 daN / 6205 daN                     |
| 5.10                      | Service brake  |               | Hydraulic                                |
|                           | Transmission type                                    |               | Torque converter                         |
| 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 50-4 - 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 |
|--|--------|--------|--------|--------|--------|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward                | °      | 15     | 15     | 15     | 15     | 15     | 15     |
| $\beta$ - Mast/fork carriage tilt, backward                | °      | 15     | 15     | 15     | 15     | 15     | 15     |
| h1 - Mast lowered height                                   | mm     | 2520   | 2670   | 2770   | 2870   | 3020   | 3270   |
| h4 - Mast extended height                                  | mm     | 4070   | 4370   | 4570   | 4770   | 5070   | 5570   |
| Residual capacity at max height                            | kg     | 5000   | 5000   | 5000   | 5000   | 5000   | 4500   |
| Residual capacity with integrated side shift at max height | kg     | 4700   | 4700   | 4700   | 4700   | 4700   | 4050   |
| Height at max capacity                                     | mm     | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |



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