Technical sheet:

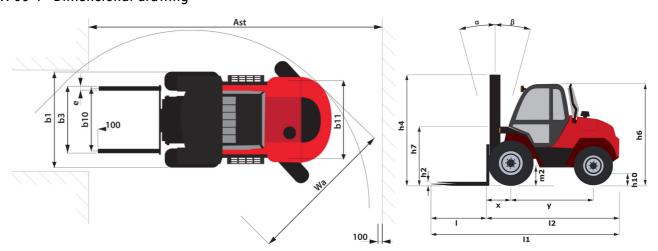
## M-X 50-4





|       |  |           | Created on August 1, 2025 at 6:03 PM (   |
|-------|--|-----------|--|
|       | 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  | У         | 2120 mm                                  |
|       | 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   |           |  |
| 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   |           | 1020 11111                               |
| 4.7   | Height of overhead guard (cabin)                     | h6        | 2495 mm                                  |
| 4.19  | Overall length                                       | l1        | 4945 mm                                  |
| 4.20  | Length to face of forks                              | 12        | 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              | 0, 0, 1   | 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   |           | 1100 11111                               |
| 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                                |
| 0.10  | Transmission type                                    |           | Torque converter                         |
|       | Engine   |           |  |
| 7.1   | Engine brand / model / norm                          |           | Perkins / 1104D-44T NL38894 / Stage IIIA |
| 7.1   | I.C. Engine power rating                             |           | 70 Hp                                    |
| 7.2   | Rated speed  |           | 2360 rpm                                 |
| 7.0   | Miscellaneous  |           | 2000 ipili                               |
|       | 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 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| 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 | 2520   | 2670   | 2770   | 2870   | 3020   | 3270   | 3520   |
| h4 - Mast extended height                                  | mm | 4070   | 4370   | 4570   | 4770   | 5070   | 5570   | 6070   |
| Residual capacity at max height                            | kg | 5000   | 5000   | 5000   | 5000   | 5000   | 4500   | 4000   |
| Residual capacity with integrated side shift at max heigth | kg | 4700   | 4700   | 4700   | 4700   | 4700   | 4050   | 3600   |
| 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 °                     |    | 15     | 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 | 2270   | 2370   | 2470   | 2545   | 2605   | 2720   | 2870   | 3045   |
| h2 - Mast free lift  | mm | 1265   | 1365   | 1465   | 1540   | 1600   | 1715   | 1865   | 2040   |
| h4 - Mast extended height                                  | mm | 4770   | 5070   | 5370   | 5570   | 5770   | 6070   | 6570   | 7070   |
| Residual capacity at max height                            | kg | 5000   | 5000   | 4500   | 4000   | 3700   | 3300   | 2400   | 2000   |
| Residual capacity with integrated side shift at max heigth | kg | 4700   | 4500   | 4050   | 3600   | 3330   | 2970   | 2160   | 1800   |
| Height at max capacity                                     | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |





## **Head Office**

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes