

Technical sheet :

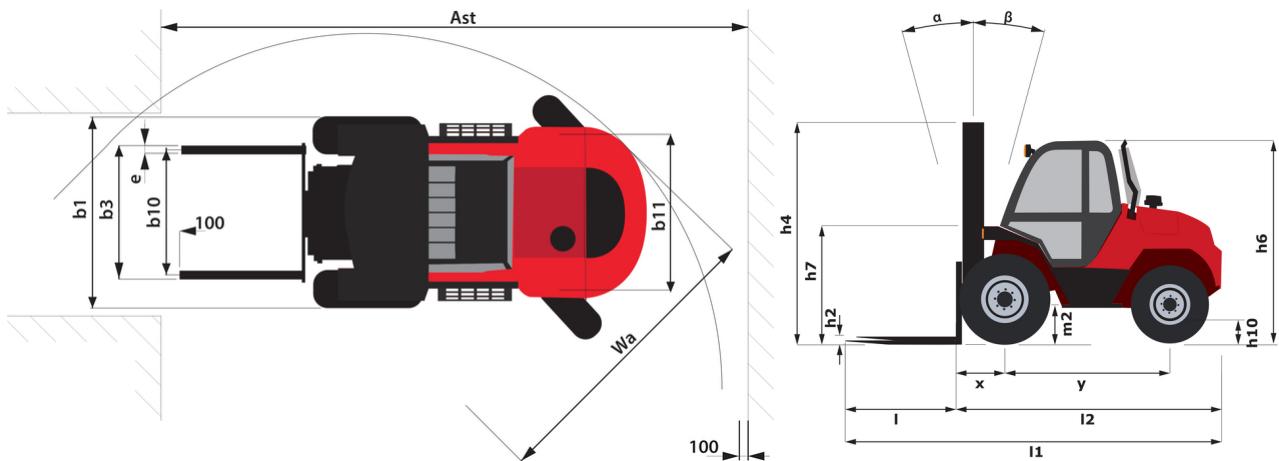
# M-X 50-4



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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                                  |
| <b>Weight</b>             |  |           |  |
| 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                        |
| <b>Wheels</b>             |  |           |  |
| 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                                  |
| <b>Dimensions</b>         |  |           |  |
| 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                                  |
| <b>Performances</b>       |  |           |  |
| 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                         |
| <b>Engine</b>             |  |           |  |
| 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                                 |
| <b>Miscellaneous</b>      |  |           |  |
| 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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