

Technical sheet :

# **MI-X 50 D FOB**

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 **MANITOU**  
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|       | Technical characteristics                                       |           | Metric                          |
|-------|-----------------------------------------------------------------|-----------|---------------------------------|
| 1.1   | Manufacturer                                                    |           | Manitou                         |
| 1.2   | Model Name                                                      |           | MI-X 50 D FOB                   |
| 1.3   | Power source                                                    |           | Diesel                          |
| 1.4   | Operator type                                                   |           | Seated                          |
| 1.5   | Max. capacity                                                   | Q         | 5000 kg                         |
| 1.6   | Load center of gravity                                          | c         | 500 mm                          |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 560 mm                          |
| 1.9   | Wheelbase                                                       | y         | 2150 mm                         |
|       | <b>Weight</b>                                                   |           |                                 |
| 2.1   | Service weight                                                  |           | 6800 kg                         |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 10450 kg / 1350 kg              |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 3000 kg / 3800 kg               |
|       | <b>Wheels</b>                                                   |           |                                 |
| 3.1   | Tires type                                                      |           | Pneumatic                       |
| 3.2   | Dimensions of front wheels                                      |           | 300-15-18PR                     |
| 3.3   | Dimensions of rear wheels                                       |           | 7.00-12-12PR                    |
| 3.5   | Number of front wheels / rear wheels                            |           | 2 / 2                           |
| 3.5.2 | Number of drive wheels                                          |           | 2                               |
| 3.6   | Front wheel gauge                                               | b10       | 1190 mm                         |
| 3.7   | Rear wheel gauge                                                | b11       | 1130 mm                         |
|       | <b>Dimensions</b>                                               |           |                                 |
| 4.7   | Height of overhead guard (cabin)                                | h6        | 2390 mm                         |
| 4.8   | Seat height/stand height                                        | h7        | 1370 mm                         |
| 4.12  | Height of towing bar (coupling height)                          | h10       | 445 mm                          |
| 4.19  | Overall length                                                  | l1        | 4475 mm                         |
| 4.20  | Length to face of forks                                         | l2        | 3255 mm                         |
| 4.21  | Overall width                                                   | b1        | 1490 mm                         |
| 4.21  | Overall width - Single wheels                                   | b1        | 1490 mm                         |
| 4.22  | Forks section / width / length                                  | s / e / l | 50 mm x 150 mm x 1220 mm        |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |           | 3A                              |
| 4.24  | Fork carriage width                                             | b3        | 1250 mm                         |
| 4.31  | Ground clearance below mast                                     | m1        | 170 mm                          |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 230 mm                          |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 4791 mm                         |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4925 mm                         |
| 4.35  | Turning radius                                                  | Wa        | 2920 mm                         |
| 4.36  | Internal turning radius (over tyres)                            | b13       | 130 mm                          |
|       | <b>Performances</b>                                             |           |                                 |
| 5.1   | Travel speed (laden / unladen)                                  |           | 22 km/h-24 km/h                 |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.40 m/s-0.43 m/s               |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.50 m/s               |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |           | 3800 daN / 2300 daN             |
| 5.7   | Gradeability (laden / unladen)                                  |           | 34 % / 32 %                     |
| 5.10  | Service brake                                                   |           | Hydraulic                       |
|       | <b>Engine</b>                                                   |           |                                 |
| 6.4   | Battery capacity                                                |           | 600 Ah                          |
| 7.1   | Engine brand / model / norm                                     |           | Perkins / 1104D-44 / Stage IIIA |
| 7.2   | Engine power according to ISO 1585                              |           | 56 kW                           |
| 7.3   | Rated speed                                                     |           | 2200 rpm                        |
| 7.4   | Number of cylinders / Capacity of cylinders                     |           | 4 - 4400 cm³                    |
|       | <b>Miscellaneous</b>                                            |           |                                 |
| 8.2   | Working hydraulic pressure for attachments                      |           | 160 bar                         |
| 8.3   | Oil flow rate for attachments                                   |           | 90 l/min                        |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 87 dB                         |
| 8.4   | Sound level at the driver's ear according to DIN 12 053         |           | 87 dB                           |

## MI-X 50 D FOB - Dimensional drawing







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