

Technical sheet :

# MI-X 18 D

---



 **MANITOU**  
HANDLING YOUR WORLD

| Technical characteristics |   | Metric    |                                  |
|---------------------------|---|-----------|----------------------------------|
| 1.1                       | Manufacturer  |           | MANITOU                          |
| 1.2                       | Model Name  |           | MI-X 18 D                        |
| 1.3                       | Power source  |           | Diesel                           |
| 1.4                       | Operator type   |           | Seated                           |
| 1.5                       | Max. capacity   | Q         | 1800 kg                          |
| 1.6                       | Load center of gravity  | c         | 500 mm                           |
| 1.8                       | Load distance, centre of drive axle to fork                     | x         | 405 mm                           |
| 1.9                       | Wheelbase   | y         | 1420 mm                          |
| Weight                    |   |           |                                  |
| 2.1                       | Service weight  |           | 3100 kg                          |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)                |           | 4260 kg / 640 kg                 |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1315 kg / 1785 kg                |
| Wheels                    |   |           |                                  |
| 3.1                       | Tires type  |           | Solid tires                      |
| 3.2                       | Dimensions of front wheels                                      |           | 6.50-10 10                       |
| 3.3                       | Dimensions of rear wheels                                       |           | 5.00-8 8                         |
| 3.5                       | Number of front wheels / rear wheels                            |           | 2 / 2                            |
| 3.6                       | Front wheel gauge   | b10       | 900 mm                           |
| 3.7                       | Rear wheel gauge  | b11       | 920 mm                           |
| Dimensions                |   |           |                                  |
| 4.8                       | Seat height/stand height  | h7        | 1160 mm                          |
| 4.7                       | Height of overhead guard (cabin)                                | h6        | 2090 mm                          |
| 4.12                      | Height of towing bar (coupling height)                          | h10       | 315 mm                           |
| 4.19                      | Overall length  | l1        | 3350 mm                          |
| 4.20                      | Length to face of forks   | l2        | 2280 mm                          |
| 4.21                      | Overall width   | b1        | 1080 mm                          |
| 4.21                      | Overall width - Single wheels                                   | b1        | 1080 mm                          |
| 4.22                      | Forks section / width / length                                  | s / e / l | 35 mm x 100 mm x 1150 mm         |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                         |           | 2A                               |
| 4.24                      | Fork carriage width   | b3        | 1000 mm                          |
| 4.31                      | Ground clearance below mast                                     | m1        | 115 mm                           |
| 4.32                      | Ground clearance at centre of wheelbase                         | m2        | 150 mm                           |
| 4.33                      | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 3615 mm                          |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 3815 mm                          |
| 4.35                      | Turning radius  | Wa        | 2010 mm                          |
| 4.36                      | Internal turning radius (over tyres)                            | b13       | 55 mm                            |
| Performances              |   |           |                                  |
| 5.1                       | Travel speed (laden / unladen)                                  |           | 18.60 km/h-19.30 km/h            |
| 5.2                       | Lifting speed (laden / unladen)                                 |           | 0.50 m/s-0.55 m/s                |
| 5.3                       | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.55 m/s                |
| 5.5                       | Drawbar pull (Laden / Unladen)                                  |           | 1440 daN / 795 daN               |
| 5.7                       | Gradeability (laden / unladen)                                  |           | 20 % / 20 %                      |
| 5.10                      | Service brake   |           | Hydraulic                        |
|                           | Transmission type   |           | Torque converter                 |
| Engine                    |   |           |                                  |
| 7.1                       | Engine brand / model / norm                                     |           | Yanmar / 4TNE92-HRJ / Stage IIIA |
| 7.2                       | Engine power (Hp / kW)  |           | 45 Hp/32.80 kW                   |
| 7.3                       | Rated speed   |           | 2450 rpm                         |
| 7.4                       | Number of cylinders / Capacity of cylinders                     |           | 4 - 2659 cm³                     |
| Miscellaneous             |   |           |                                  |
| 8.2                       | Working hydraulic pressure for attachments                      |           | 160 bar                          |
| 8.3                       | Oil flow rate for attachments                                   |           | 56 l/min                         |
| 8.4                       | Measured/guaranteed mean noise level at the ear of the operator |           | < 86 dB                          |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053         |           | 86 dB                            |

### MI-X 18 D - Dimensional drawing







**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](http://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