Technical sheet:

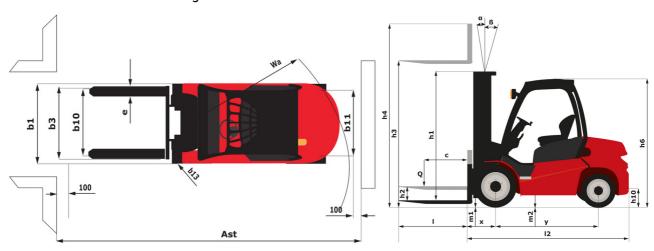
## MI-X 100 D





|       |  | <b>MI-X 100 D</b> Cre | ated on May 20, 2024 at 2:31:08 AM UT |
|-------|--|-----------------------|---------------------------------------|
|       | Technical characteristics  |                       | Metric                                |
| 1.1   | Manufacturer   |                       | Manitou                               |
| 1.2   | Model Name   |                       | MI-X 100 D                            |
| 1.3   | Power source   |                       | Diesel                                |
| 1.4   | Operator type  |                       | Seated                                |
| 1.5   | Max. capacity  | Q                     | 10000 kg                              |
| 1.6   | Load center of gravity   | С                     | 600 mm                                |
| 1.8   | Load distance, centre of drive axle to fork  | X                     | 732 mm                                |
| 1.9   | Wheelbase  | у                     | 2800 mm                               |
|       | Weight   |                       |                                       |
| 2.1   | Service weight   |                       | 13590 kg                              |
| 2.2   | Weight on front axle (laden) / rear axle (laden)   |                       | 21330 kg / 2560 kg                    |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)   |                       | 6430 kg / 7160 kg                     |
| 2.0   | Wheels   |                       | o loo kg , 7 loo kg                   |
| 3.1   | Tires type   |                       | Pneumatic                             |
| 3.2   | Dimensions of front wheels   |                       | 9.00-20-14PR                          |
| 3.3   | Dimensions of rear wheels  |                       | 9.00-20-14PR                          |
| 3.5   | Number of front wheels / rear wheels   |                       | 4 / 2                                 |
| 3.5.2 | Number of drive wheels   |                       | 4                                     |
|       |  | h10                   |                                       |
| 3.6   | Front wheel gauge  | b10                   | 1628 mm                               |
| 3.7   | Rear wheel gauge   | b11                   | 1700 mm                               |
| 4.7   | Dimensions  United the supplied of supplied to the supplied to | l c                   | 0500                                  |
| 4.7   | Height of overhead guard (cabin)   | h6                    | 2580 mm                               |
| 4.8   | Seat height/stand height   | h7                    | 1505 mm                               |
| 4.12  | Height of towing bar (coupling height)   | h10                   | 505 mm                                |
| 4.19  | Overall length   | l1                    | 5742 mm                               |
| 4.20  | Length to face of forks  | 12                    | 4242 mm                               |
| 4.21  | Overall width  | b1                    | 2165 mm                               |
| 4.21  | Overall width - Single wheels  | b1                    | 2165 mm                               |
| 4.22  | Forks section / width / length   | s / e / l             | 80 mm x 160 mm x 1520 mm              |
| 4.24  | Fork carriage width  | b3                    | 2044 mm                               |
| 4.31  | Ground clearance below mast  | m1                    | 190 mm                                |
| 4.32  | Ground clearance at centre of wheelbase  | m2                    | 339 mm                                |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways  | Ast                   | 5973 mm                               |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways   | Ast                   | 6134 mm                               |
| 4.35  | Turning radius   | Wa                    | 3940 mm                               |
| 4.36  | Internal turning radius (over tyres)   | b13                   | 1396 mm                               |
|       | Performances   |                       |                                       |
| 5.1   | Travel speed (laden / unladen)   |                       | 26 km/h-31 km/h                       |
| 5.2   | Lifting speed (laden / unladen)  |                       | 0.32 m/s-0.35 m/s                     |
| 5.3   | Lowering speed (laden / unladen)   |                       | 0.45 m/s-0.36 m/s                     |
| 5.5   | Drawbar pull (Laden / Unladen)   |                       | 8300 daN / 5400 daN                   |
| 5.7   | Gradeability (laden / unladen)   |                       | 44 % / 44 %                           |
| 5.10  | Service brake  |                       | Hydraulic                             |
|       | Engine   |                       | · · · · · · · · · · · · · · · · · · · |
| 7.1   | Engine brand / model   |                       | Cummins / QSB4,5                      |
| 7.2   | Engine power according to ISO 1585   |                       | 82 kW                                 |
| 7.3   | Rated speed  |                       | 2200 rpm                              |
| 7.4   | Number of cylinders / Capacity of cylinders  |                       | 4 - 4500 cm <sup>3</sup>              |
| 7.4   | Miscellaneous  |                       |                                       |
| 8.2   | Working hydraulic pressure for attachments   |                       | 195 bar                               |
| 8.3   | Oil flow rate for attachments  |                       | 180 l/min                             |
| 8.4   | Measured/quaranteed mean noise level at the ear of the operator  |                       | < 88 dB                               |
|       |  |                       |                                       |
| 8.4   | Sound level at the driver's ear according to DIN 12 053  |                       | 88 dB                                 |

## MI-X 100 D - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)      |    | FVD 30 | FVD 33 | FVD 36 | FVD 40 | FVD 45 | FVD 50 |
|-----------------------------------|----|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward  | ٠  | 6      | 6      | 6      | 6      | 6      | 6      |
| Mast/fork carriage tilt, backward | ٠  | 12     | 12     | 12     | 12     | 6      | 6      |
| h1 - Mast lowered height          | mm | 2850   | 3000   | 3150   | 3350   | 3650   | 3900   |
| h2 - Mast free lift               | mm | 200    | 200    | 200    | 200    | 200    | 200    |
| h3 - Mast lifting height          | mm | 3000   | 3300   | 3600   | 4000   | 4500   | 5000   |
| h4 - Mast extended height         | mm | 4555   | 4855   | 5155   | 5555   | 6055   | 6555   |
| Residual capacity at max height   | kg | 10000  | 10000  | 10000  | 10000  | 10000  | 10000  |
| Height at max capacity            | mm | 3000   | 3300   | 3600   | 4000   | 4500   | 5000   |

| Free Lift Triplex (FLT)           |    | FLT 45 | FLT 48 | FLT 50 | FLT 55 | FLT 60 |
|-----------------------------------|----|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward  | ٠  | 6      | 6      | 6      | 3      | 3      |
| Mast/fork carriage tilt, backward | ٠  | 6      | 6      | 6      | 6      | 6      |
| h1 - Mast lowered height          | mm | 2850   | 2850   | 3050   | 3200   | 3350   |
| h2 - Mast free lift               | mm | 1305   | 1405   | 1505   | 1655   | 1805   |
| h3 - Mast lifting height          | mm | 4500   | 4800   | 5000   | 5500   | 6000   |
| h4 - Mast extended height         | mm | 6055   | 6355   | 6555   | 7055   | 7555   |
| Residual capacity at max height   | kg | 8500   | 8500   | 8200   | 7700   | 7000   |
| Height at max capacity            | mm | 4500   | 4800   | 5000   | 5500   | 6000   |





## **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



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