Technical sheet:

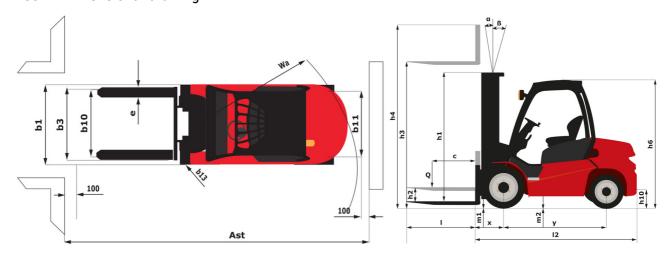
## MI-X 80 D





|       |   | MI-X 80 D OR | MI-X 80 D Gleated Oil May 3, 2024 at 7.17.32 I W 010 |  |  |
|-------|---|--------------|--|--|--|
|       | Technical characteristics                                       |              | Metric   |  |  |
| 1.1   | Manufacturer  |              | Manitou  |  |  |
| 1.2   | Model Name  |              | MI-X 80 D  |  |  |
| 1.3   | Power source  |              | Diesel   |  |  |
| 1.4   | Operator type   |              | Seated   |  |  |
| 1.5   | Max. capacity   | Q            | 8000 kg  |  |  |
| 1.6   | Load center of gravity  | С            | 600 mm   |  |  |
| 1.8   | Load distance, centre of drive axle to fork                     | x            | 705 mm   |  |  |
| 1.9   | Wheelbase   | у            | 2500 mm  |  |  |
|       | Weight  |              |  |  |  |
| 2.1   | Service weight  |              | 11790 kg   |  |  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |              | 17670 kg / 2120 kg                                   |  |  |
|       | Wheels  |              |  |  |  |
| 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  |  |  |
| 3.6   | Front wheel gauge   | b10          | 1628 mm  |  |  |
| 3.7   | Rear wheel gauge  | b11          | 1700 mm  |  |  |
|       | Dimensions  |              |  |  |  |
| 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           | 5395 mm  |  |  |
| 4.20  | Length to face of forks   | 12           | 3895 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/I        | 75 mm x 160 mm x 1520 mm                             |  |  |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |              | 4A   |  |  |
| 4.31  | Ground clearance below mast                                     | m1           | 185 mm   |  |  |
| 4.32  | Ground clearance at centre of wheelbase                         | m2           | 339 mm   |  |  |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast          | 5637 mm  |  |  |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast          | 5803 mm  |  |  |
| 4.36  | Internal turning radius (over tyres)                            | b13          | 1327 mm  |  |  |
|       | Performances  |              |  |  |  |
| 5.1   | Travel speed (laden / unladen)                                  |              | 28 km/h-32 km/h                                      |  |  |
| 5.2   | Lifting speed (laden / unladen)                                 |              | 0.43 m/s-0.46 m/s                                    |  |  |
| 5.3   | Lowering speed (laden / unladen)                                |              | 0.45 m/s-0.36 m/s                                    |  |  |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |              | 7860 daN / 4500 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>                             |  |  |
|       | Miscellaneous   |              |  |  |  |
| 8.3   | Oil flow rate for attachments                                   |              | 180 l/min  |  |  |
| 8.4   | Measured/guaranteed 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 80 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 | 2700   | 2850   | 3000   | 3200   | 3500   | 3750   |
| 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 | 4210   | 4510   | 4810   | 5210   | 5710   | 6210   |
| Residual capacity at max height   | kg | 8000   | 8000   | 8000   | 8000   | 8000   | 8000   |
| 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  | ۰  | 6      | 6      | 6      | 3      | 3      |
| Mast/fork carriage tilt, backward | ٠  | 6      | 6      | 6      | 6      | 6      |
| h1 - Mast lowered height          | mm | 2750   | 2850   | 2950   | 3100   | 3250   |
| h2 - Mast free lift               | mm | 1485   | 1585   | 1600   | 1800   | 1985   |
| h3 - Mast lifting height          | mm | 4500   | 4800   | 5000   | 5500   | 6000   |
| h4 - Mast extended height         | mm | 5775   | 6075   | 6360   | 6810   | 7275   |
| Residual capacity at max height   | kg | 7000   | 7000   | 6500   | 6100   | 5600   |
| 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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