

Technical sheet :

# MI-X 20 D

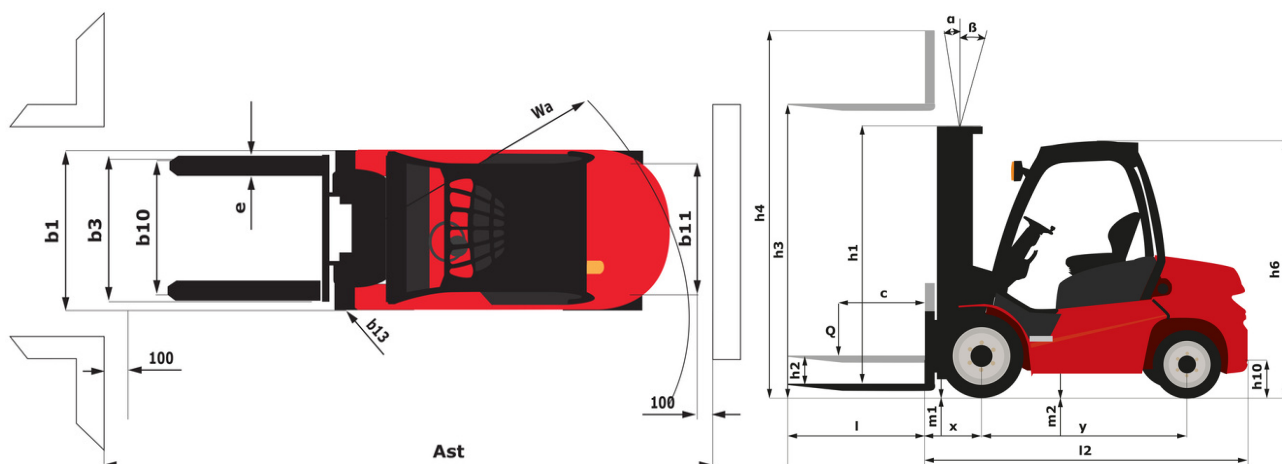
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|       | Technical characteristics                                       |           | Metric                              |
|-------|-----------------------------------------------------------------|-----------|-------------------------------------|
| 1.1   | Manufacturer                                                    |           | Manitou                             |
| 1.2   | Model Name                                                      |           | MI-X 20 D                           |
| 1.3   | Power source                                                    |           | Diesel                              |
| 1.4   | Operator type                                                   |           | Seated                              |
| 1.5   | Max. capacity                                                   | Q         | 2000 kg                             |
| 1.6   | Load center of gravity                                          | c         | 500 mm                              |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 465 mm                              |
| 1.9   | Wheelbase                                                       | y         | 1600 mm                             |
|       | <b>Weight</b>                                                   |           |                                     |
| 2.1   | Service weight                                                  |           | 3725 kg                             |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 5005 kg / 720 kg                    |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1765 kg / 1960 kg                   |
|       | <b>Wheels</b>                                                   |           |                                     |
| 3.1   | Tires type                                                      |           | Super Elastic                       |
| 3.2   | Dimensions of front wheels                                      |           | 7.00-12 12                          |
| 3.3   | Dimensions of rear wheels                                       |           | 6.00-9 10                           |
| 3.5   | Number of front wheels / rear wheels                            |           | 2 / 2                               |
| 3.5.2 | Number of drive wheels                                          |           | 2                                   |
| 3.6   | Front wheel gauge                                               | b10       | 965 mm                              |
| 3.7   | Rear wheel gauge                                                | b11       | 973 mm                              |
|       | <b>Dimensions</b>                                               |           |                                     |
| 4.7   | Height of overhead guard (cabin)                                | h6        | 2115 mm                             |
| 4.8   | Seat height/stand height                                        | h7        | 1190 mm                             |
| 4.12  | Height of towing bar (coupling height)                          | h10       | 355 mm                              |
| 4.19  | Overall length                                                  | l1        | 3615 mm                             |
| 4.20  | Length to face of forks                                         | l2        | 2465 mm                             |
| 4.21  | Overall width                                                   | b1        | 1155 mm                             |
| 4.21  | Overall width - Single wheels                                   | b1        | 1155 mm                             |
| 4.22  | Forks section / width / length                                  | s / e / l | 40 mm x 122 mm x 1150 mm            |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |           | 2A                                  |
| 4.24  | Fork carriage width                                             | b3        | 1038 mm                             |
| 4.31  | Ground clearance below mast                                     | m1        | 115 mm                              |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 175 mm                              |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 3865 mm                             |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4065 mm                             |
| 4.35  | Turning radius                                                  | Wa        | 2200 mm                             |
| 4.36  | Internal turning radius (over tyres)                            | b13       | 145 mm                              |
|       | <b>Performances</b>                                             |           |                                     |
| 5.1   | Travel speed (laden / unladen)                                  |           | 18 km/h-18.50 km/h                  |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.47 m/s-0.55 m/s                   |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.48 m/s-0.55 m/s                   |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |           | 1690 daN / 1230 daN                 |
| 5.7   | Gradeability (laden / unladen)                                  |           | 20 % / 210 %                        |
| 5.10  | Service brake                                                   |           | Hydraulic                           |
|       | Transmission type                                               |           | Torque converter                    |
|       | <b>Engine</b>                                                   |           |                                     |
| 7.1   | Engine brand / model / norm                                     |           | Yanmar / 4TNV94L-BXPHZ / Stage IIIA |
| 7.2   | I.C. Engine power rating                                        |           | 35 kW                               |
| 7.3   | Rated speed                                                     |           | 2400 rpm                            |
| 7.4   | Number of cylinders / Capacity of cylinders                     |           | 4 - 3054 cm³                        |
|       | <b>Miscellaneous</b>                                            |           |                                     |
| 8.2   | Working hydraulic pressure for attachments                      |           | 160 bar                             |
| 8.3   | Oil flow rate for attachments                                   |           | 69 l/min                            |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 84 dB                             |
| 8.4   | Sound level at the driver's ear according to DIN 12 053         |           | 84 dB                               |

## MI-X 20 D - Dimensional drawing







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