

Technical sheet :

# M-X 70-2

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| Technical characteristics |  | Metric    |                             |
|---------------------------|--|-----------|-----------------------------|
| 1.1                       | Manufacturer   |           | Manitou                     |
| 1.2                       | Model Name   |           | M-X 70-2                    |
| 1.3                       | Power source   |           | Diesel                      |
| 1.4                       | Operator type  |           | Seated                      |
| 1.5                       | Max. capacity  | Q         | 7000 kg                     |
| 1.6                       | Load center of gravity                               | c         | 600 mm                      |
| 1.8                       | Load distance, centre of drive axle to fork          | x         | 803 mm                      |
| 1.9                       | Wheelbase  | y         | 2.49 m                      |
| Weight                    |  |           |                             |
| 2.1                       | Service weight                                       |           | 9880 kg                     |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)     |           | 14954 kg / 1926 kg          |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen) |           | 4040 kg / 5840 kg           |
| Wheels                    |  |           |                             |
| 3.1                       | Tires type   |           | Pneumatic                   |
| 3.2                       | Dimensions of front wheels                           |           | 18R185 8T N20XF             |
| 3.3                       | Dimensions of rear wheels                            |           | 265/70R19,5 6T P30 HT3      |
| 3.5                       | Number of front wheels / rear wheels                 |           | 2 / 2                       |
| 3.5.2                     | Number of drive wheels                               |           | 2                           |
| 3.6                       | Front wheel gauge                                    | b10       | 1700 mm                     |
| 3.7                       | Rear wheel gauge                                     | b11       | 1545 m                      |
| Dimensions                |  |           |                             |
| 4.7                       | Height of overhead guard (cabin)                     | h6        | 2475 mm                     |
| 4.8                       | Seat height/stand height                             | h7        | 1485 mm                     |
| 4.19                      | Overall length                                       | l1        | 5700 mm                     |
| 4.20                      | Length to face of forks                              | l2        | 4200 mm                     |
| 4.21                      | Overall width  | b1        | 2155 mm                     |
| 4.22                      | Forks section x width x length                       | s / e / l | 70 mm x 150 mm / 1200 mm    |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B              |           | 4A                          |
| 4.24                      | Fork carriage width                                  | b3        | 1750 mm                     |
| 4.31                      | Ground clearance below mast                          | m1        | 300 mm                      |
| 4.32                      | Ground clearance at centre of wheelbase              | m2        | 410 mm                      |
| 4.34                      | Aisle width for 800 x 1200 pallet lengthways         | Ast       | 6703 mm                     |
| 4.35                      | Turning radius                                       | Wa        | 4200 mm                     |
| Performances              |  |           |                             |
| 5.1                       | Travel speed (laden)                                 |           | 24 km/h                     |
| 5.2.1                     | Lifting speed (unladen)                              |           | 0.40 m/s                    |
| 5.3.1                     | Lowering speed (unladen)                             |           | 0.40 m/s                    |
| 5.5                       | Drawbar pull (Laden)                                 |           | 7960 daN                    |
| 5.10                      | Service brake  |           | Hydraulic servo brake       |
| Engine                    |  |           |                             |
| 7.1                       | Engine brand / model                                 |           | Perkins / 1104D-44T NL38894 |

### M-X 70-2 - Dimensional drawing



### Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                               | FVD 36 | FVD 40 | FVD 45 |
|--|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | 15     | 15     | 15     |
| β - Mast/fork carriage tilt, backward                      | 15     | 15     | 15     |
| h1 - Mast lowered height                                   | 3145   | 3145   | 3595   |
| h4 - Mast extended height                                  | 4960   | 4960   | 5860   |
| Residual capacity at max height                            | 7000   | 7000   | 6500   |
| Residual capacity with integrated side shift at max height | 6300   |        |        |
| Height at max capacity                                     | 2500   | 2500   | 2500   |



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