

Technical sheet :

M-X 70-2



 **MANITOU**
HANDLING YOUR WORLD

| 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 / norm | | Perkins / 1104D-44T NL38894 / Stage IIIA |

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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