

Technical sheet :

M-X 30-2



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Metric | |
|---------------------------|---|-----------|--|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | M-X 30-2 |
| 1.3 | Power source | | Diesel |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 3000 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 697 mm |
| 1.9 | Wheelbase | y | 2100 mm |
| Weight | | | |
| 2.1 | Service weight | | 5090 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 7050 kg / 1040 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2250 kg / 2840 kg |
| Wheels | | | |
| 3.1 | Tires type | | Inflatable |
| 3.2 | Dimensions of front wheels | | 3.2: 440/80-24 8TN5 A325 168A8 |
| 3.3 | Dimensions of rear wheels | | 10R17,5 G291 134M |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 1670 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2460 mm |
| 4.19 | Overall length | l1 | 4642 mm |
| 4.20 | Length to face of forks | l2 | 3630 mm |
| 4.21 | Overall width | b1 | 2100 mm |
| 4.22 | Forks section x width x length | s / e / l | 125 mm x 1200 mm / 40 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 3A |
| 4.24 | Fork carriage width | b3 | 1470 mm |
| 4.31 | Ground clearance below mast | m1 | 380 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 385 mm |
| 4.35 | Turning radius | Wa | 3210 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 24 km/h / 22 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.50 m/s / 0.60 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.50 m/s / 0.50 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 4830 daN / 1873 daN |
| 5.10 | Service brake | | Hydraulic |
| Engine | | | |
| 7.1 | Engine brand / model / norm | | Perkins / 1104D-44T NL38894 / Stage IIIA |
| 7.2 | I.C. Engine power rating | | 70 kW |
| 7.3 | Rated speed | | 2360 rpm |
| 7.4 | Number of cylinders / Capacity of cylinders | | 4 - 4400 cm³ |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | Hydraulic |
| 8.2 | Working hydraulic pressure for attachments | | 185 bar |
| 8.3 | Oil flow rate for attachments | | 85 l/min |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 72 dB |

M-X 30-2 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 37 | FVD 45 |
|--|----|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 |
| h1 - Mast lowered height | mm | 2785 | 3225 |
| h2 - Mast free lift | mm | 130 | 130 |
| h4 - Mast extended height | mm | 4815 | 5615 |
| Residual capacity at max height | kg | 3000 | 3000 |
| Residual capacity with integrated side shift at max height | kg | 3000 | 3000 |
| Height at max capacity | mm | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 43 | FLT 50 |
|--|----|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 |
| h1 - Mast lowered height | mm | 2525 | 2785 |
| h2 - Mast free lift | mm | 1533 | 1793 |
| h4 - Mast extended height | mm | 5332 | 6032 |
| Residual capacity at max height | kg | 3000 | |
| Residual capacity with integrated side shift at max height | kg | 2500 | 1500 |
| Height at max capacity | mm | 2500 | 2500 |

| Full Visibility Triplex (FVT) | | FVT 55 |
|--|----|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 |
| h1 - Mast lowered height | mm | 3055 |
| h4 - Mast extended height | mm | 6725 |
| Residual capacity at max height | kg | 1500 |
| Residual capacity with integrated side shift at max height | kg | 1100 |
| Height at max capacity | mm | 2500 |



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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