

Technical sheet :

# M-X 30-2



| 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                       | Engine power (Hp / kW)                                  |           | 95 Hp/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                           |           | 97 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 |
|--|----|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward                | °  | 6      | 6      |
| $\beta$ - 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 |
|--|----|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward                | °  | 6      | 6      |
| $\beta$ - 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 |
|--|----|--------|
| $\alpha$ - Mast/fork carriage tilt, forward                | °  | 6      |
| $\beta$ - 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](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes