

Technical sheet :

# M-X 30-2

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| 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                    |   |           |                                |
| 7.2                       | I.C. Engine power rating                                |           | 70 kW                          |
| 7.1                       | Engine brand / model                                    |           | Perkins / 1104D-44T NL38894    |
| 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 |
|--|----|--------|--------|
| $\alpha$ - 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   |



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