Technical sheet:

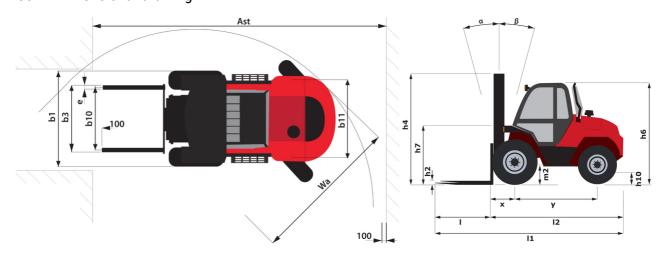
## **M-X 30-2**





|      | 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                                  | С         | 500 mm                                   |
| 1.8  | Load distance, centre of drive axle to fork             | х         | 697 mm                                   |
| 1.9  | Wheelbase   | у         | 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                                      |
| .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                                  |
| 1.19 | Overall length  | I1        | 4642 mm                                  |
| 1.20 | Length to face of forks                                 | 12        | 3630 mm                                  |
| 1.21 | Overall width   | b1        | 2100 mm                                  |
| 1.22 | Forks section x width x length                          | s / e / l | 125 mm x 1200 mm / 40 mm                 |
| 1.23 | Fork carriage ISO 2328 (class/form) A/B                 |           | 3A                                       |
| 1.24 | Fork carriage width                                     | b3        | 1470 mm                                  |
| 1.31 | Ground clearance below mast                             | m1        | 380 mm                                   |
| 1.32 | Ground clearance at centre of wheelbase                 | m2        | 385 mm                                   |
| 1.35 | 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 cm <sup>3</sup>                 |
|      | Miscellaneous   |           | . 7700 0111                              |
| 8.1  | Type of drive control                                   |           | Hydraulic                                |
| 8.2  | Working hydraulic pressure for attachments              |           | 185 bar                                  |
| 8.3  | Oil flow rate for attachments                           |           | 85 I/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                      | ۰  | 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 heigth | kg | 3000   | 3000   |
| Height at max capacity                                     | mm | 2500   | 2500   |

| Free Lift Triplex (FLT)                                    |    | FLT 43 | FLT 50 |
|--|----|--------|--------|
| α - Mast/fork carriage tilt, forward                       | ۰  | 6      | 6      |
| β - Mast/fork carriage tilt, backward                      | ۰  | 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 heigth | kg | 2500   | 1500   |
| Height at max capacity                                     | mm | 2500   | 2500   |

| Full Visibility Triplex (FVT)                              |    | FVT 55 |
|--|----|--------|
| α - Mast/fork carriage tilt, forward                       | ۰  | 6      |
| β - Mast/fork carriage tilt, backward                      | ۰  | 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 heigth | 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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