

Technical sheet :

# M-X 30-4

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| Technical characteristics |  | Metric |  |
|---------------------------|--|--------|--|
| 1.1                       | Manufacturer   |        | Manitou                                  |
| 1.2                       | Model Name   |        | M-X 30-4                                 |
| 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      | 810 mm                                   |
| 1.9                       | Wheelbase  | y      | 2100 mm                                  |
| Weight                    |  |        |  |
| 2.1                       | Service weight                                       |        | 5320 kg                                  |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)     |        | 6550 kg / 1370 kg                        |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen) |        | 2370 kg / 2950 kg                        |
| Wheels                    |  |        |  |
| 3.1                       | Tires type   |        | Pneumatic                                |
| 3.3                       | Dimensions of rear wheels                            |        | 10,5/80-18 10PR TG42 TL                  |
| 3.5                       | Number of front wheels / rear wheels                 |        | 2 / 2                                    |
| 3.5.2                     | Number of drive wheels                               |        | 4  |
| 3.6                       | Front wheel gauge                                    | b10    | 1670 mm                                  |
| Dimensions                |  |        |  |
| 4.7                       | Height of overhead guard (cabin)                     | h6     | 2540 mm                                  |
| 4.19                      | Overall length                                       | l1     | 4835 mm                                  |
| 4.20                      | Length to face of forks                              | l2     | 3635 mm                                  |
| 4.21                      | Overall width  | b1     | 2105 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     | 495 mm                                   |
| 4.32                      | Ground clearance at centre of wheelbase              | m2     | 395 mm                                   |
| 4.35                      | Turning radius                                       | Wa     | 4070 mm                                  |
| Performances              |  |        |  |
| 5.1                       | Travel speed (laden / unladen)                       |        | 27 km/h / 27 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)                       |        | 5685 daN / 3665 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                                 |
| 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                                 |

M-X 30-4 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)          |    | FVD 30 | FVD 33 | FVD 35 | FVD 37 | FVD 40 | FVD 45 | FVD 50 | FVD 55 | FVD 60 |
|---------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward  | °  | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      |
| β - Mast/fork carriage tilt, backward | °  | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     | 12     |
| h1 - Mast lowered height              | mm | 2375   | 2525   | 2625   | 2785   | 2975   | 3225   | 3475   | 3725   | 3975   |
| h2 - Mast free lift                   | mm | 130    | 130    | 130    | 130    | 130    | 130    | 130    | 130    | 130    |
| h4 - Mast extended height             | mm | 4115   | 4415   | 4615   | 4815   | 5115   | 5615   | 6115   | 6615   | 7115   |
| Residual capacity at max height       | kg |        |        |        |        |        |        |        | 1500   |        |
| Height at max capacity                | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Free Lift Triplex (FLT)                                    |    | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 50 | FLT 55 | FLT 60 |
|--|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward                       | °  | 6      | 6      | 6      | 6      | 6      | 6      | 6      |
| β - Mast/fork carriage tilt, backward                      | °  | 12     | 12     | 12     | 12     | 12     | 12     | 12     |
| h1 - Mast lowered height                                   | mm | 2275   | 2375   | 2525   | 2625   | 2785   | 297    | 3225   |
| h2 - Mast free lift  | mm | 1283   | 1383   | 1533   | 1633   | 1793   | 198    | 2233   |
| h4 - Mast extended height                                  | mm | 4732   | 5032   | 5332   | 5732   | 6032   | 6532   | 7032   |
| Residual capacity at max height                            | kg | 3000   | 3000   | 2500   | 2250   | 1500   |        |        |
| Residual capacity with integrated side shift at max height | kg |        |        | 2500   | 1750   | 1250   |        |        |
| Height at max capacity                                     | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 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 | 2100   |
| Height at max capacity                | mm | 2500   |

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