

Technical sheet :

# M-X 30-2

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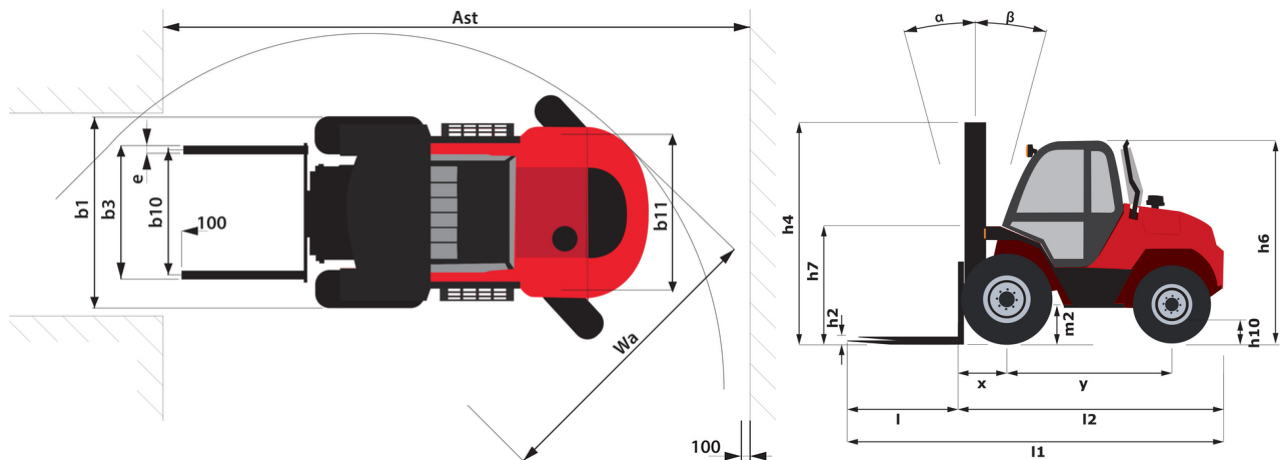


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 **MANITOU**  
HANDLING YOUR WORLD

| Technical characteristics |                                                         |           | Metric                         | Imperial                       |
|---------------------------|---------------------------------------------------------|-----------|--------------------------------|--------------------------------|
| 1.1                       | Manufacturer                                            |           | Manitou                        | Manitou                        |
| 1.2                       | Model Name                                              |           | M-X 30-2                       | M-X 30-2                       |
| 1.3                       | Power source                                            |           | Diesel                         | Diesel                         |
| 1.4                       | Operator type                                           |           | Seated                         | Seated                         |
| 1.5                       | Max. capacity                                           | Q         | 3000 kg                        | 6614 lb                        |
| 1.6                       | Load center of gravity                                  | c         | 500 mm                         | 20 in                          |
| 1.8                       | Load distance, centre of drive axle to fork             | x         | 697 mm                         | 27 in                          |
| 1.9                       | Wheelbase                                               | y         | 2100 mm                        | 83 in                          |
| Weight                    |                                                         |           |                                |                                |
| 2.1                       | Service weight                                          |           | 5090 kg                        | 11222 lb                       |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)        |           | 7050 kg / 1040 kg              | 15543 lb / 2293 lb             |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)    |           | 2250 kg / 2840 kg              | 4960 lb / 6261 lb              |
| Wheels                    |                                                         |           |                                |                                |
| 3.1                       | Tires type                                              |           | Inflatable                     | Inflatable                     |
| 3.2                       | Dimensions of front wheels                              |           | 3.2: 440/80-24 8TN5 A325 168A8 | 3.2: 440/80-24 8TN5 A325 168A8 |
| 3.3                       | Dimensions of rear wheels                               |           | 10R17,5 G291 134M              | 10R17,5 G291 134M              |
| 3.5                       | Number of front wheels / rear wheels                    |           | 2 / 2                          | 2 / 2                          |
| 3.5.2                     | Number of drive wheels                                  |           | 2                              | 2                              |
| 3.6                       | Front wheel gauge                                       | b10       | 1670 mm                        | 66 in                          |
| Dimensions                |                                                         |           |                                |                                |
| 4.7                       | Height of overhead guard (cabin)                        | h6        | 2460 mm                        | 97 in                          |
| 4.19                      | Overall length                                          | l1        | 4642 mm                        | 183 in                         |
| 4.20                      | Length to face of forks                                 | l2        | 3630 mm                        | 143 in                         |
| 4.21                      | Overall width                                           | b1        | 2100 mm                        | 83 in                          |
| 4.22                      | Forks section x width x length                          | s / e / l | 125 mm x 1200 mm / 40 mm       | 5 in x 47 in / 2 in            |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B                 |           | 3A                             | 3A                             |
| 4.24                      | Fork carriage width                                     | b3        | 1470 mm                        | 58 in                          |
| 4.31                      | Ground clearance below mast                             | m1        | 380 mm                         | 15 in                          |
| 4.32                      | Ground clearance at centre of wheelbase                 | m2        | 385 mm                         | 15 in                          |
| 4.35                      | Turning radius                                          | Wa        | 3210 mm                        | 126 in                         |
| Performances              |                                                         |           |                                |                                |
| 5.1                       | Travel speed (laden / unladen)                          |           | 24 km/h / 22 km/h              | 15 mph / 14 mph                |
| 5.2                       | Lifting speed (laden / unladen)                         |           | 0.50 m/s / 0.60 m/s            | 2 ft/s / 2 ft/s                |
| 5.3                       | Lowering speed (laden / unladen)                        |           | 0.50 m/s / 0.50 m/s            | 2 ft/s / 2 ft/s                |
| 5.5                       | Drawbar pull (Laden / Unladen)                          |           | 4830 daN / 1873 daN            | 4830 daN / 1873 daN            |
| 5.10                      | Service brake                                           |           | Hydraulic                      | Hydraulic                      |
| Engine                    |                                                         |           |                                |                                |
| 7.2                       | Engine power according to ISO 1585                      |           | 70 kW                          | 70 kW                          |
| 7.1                       | Engine brand / model                                    |           | Perkins / 1104D-44T NL38894    | Perkins / 1104D-44T NL38894    |
| 7.2                       | Engine power according to ISO 1585                      |           | 70 kW                          | 70 kW                          |
| 7.3                       | Rated speed                                             |           | 2360 rpm                       | 2360 rpm                       |
| 7.4                       | Number of cylinders / Capacity of cylinders             |           | 4 - 4400 cm³                   | 4 - 269 in³                    |
| Miscellaneous             |                                                         |           |                                |                                |
| 8.1                       | Type of drive control                                   |           | Hydraulic                      | Hydraulic                      |
| 8.2                       | Working hydraulic pressure for attachments              |           | 185 bar                        | 2683 PSI                       |
| 8.3                       | Oil flow rate for attachments                           |           | 85 l/min                       | 22 US gpm                      |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053 |           | 72 dB                          | 72 dB                          |

## M-X 30-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                               |         | FVD 37       | FVD 45       |
|------------------------------------------------------------|---------|--------------|--------------|
| Mast/fork carriage tilt, forward                           | °       | 6            | 6            |
| Mast/fork carriage tilt, backward                          | °       | 12           | 12           |
| h1 - Mast lowered height                                   | in (mm) | 109.6 (2785) | 127 (3225)   |
| h2 - Mast free lift                                        | in (mm) | 5.1 (130)    | 5.1 (130)    |
| h4 - Mast extended height                                  | in (mm) | 189.6 (4815) | 221.1 (5615) |
| Residual capacity at max height                            | lb (kg) | 6614 (3000)  | 6614 (3000)  |
| Residual capacity with integrated side shift at max height | lb (kg) | 6614 (3000)  | 6614 (3000)  |
| Height at max capacity                                     | in (mm) | 98.4 (2500)  | 98.4 (2500)  |

| Free Lift Triplex (FLT)                                    |         | FLT 43       | FLT 50       |
|------------------------------------------------------------|---------|--------------|--------------|
| Mast/fork carriage tilt, forward                           | °       | 6            | 6            |
| Mast/fork carriage tilt, backward                          | °       | 12           | 12           |
| h1 - Mast lowered height                                   | in (mm) | 99.4 (2525)  | 109.6 (2785) |
| h2 - Mast free lift                                        | in (mm) | 60.4 (1533)  | 70.6 (1793)  |
| h4 - Mast extended height                                  | in (mm) | 209.9 (5332) | 237.5 (6032) |
| Residual capacity at max height                            | lb (kg) | 6614 (3000)  |              |
| Residual capacity with integrated side shift at max height | lb (kg) | 5512 (2500)  | 3307 (1500)  |
| Height at max capacity                                     | in (mm) | 98.4 (2500)  | 98.4 (2500)  |

| Full Visibility Triplex (FVT)                              |         | FVT 55       |
|------------------------------------------------------------|---------|--------------|
| Mast/fork carriage tilt, forward                           | °       | 6            |
| Mast/fork carriage tilt, backward                          | °       | 12           |
| h1 - Mast lowered height                                   | in (mm) | 120.3 (3055) |
| h4 - Mast extended height                                  | in (mm) | 264.8 (6725) |
| Residual capacity at max height                            | lb (kg) | 3307 (1500)  |
| Residual capacity with integrated side shift at max height | lb (kg) | 2425 (1100)  |
| Height at max capacity                                     | in (mm) | 98.4 (2500)  |



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