

Technical sheet :

# MC-X 30-2



 **MANITOU**  
HANDLING YOUR WORLD

| Technical characteristics |  | Metric    |                                      |
|---------------------------|--|-----------|--------------------------------------|
| 1.1                       | Manufacturer   |           | Manitou                              |
| 1.2                       | Model Name   |           | MC-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         | 626 mm                               |
| 1.9                       | Wheelbase  | y         | 1900 mm                              |
| Weight                    |  |           |                                      |
| 2.1                       | Service weight   |           | 4355 kg                              |
| 2.2                       | Weight on front axle (laden) / rear axle (laden)   |           | 6435 kg / 920 kg                     |
| 2.3                       | Weight on front axle (Unladen) / rear axle (Unladen)                                     |           | 1660 kg / 2695 kg                    |
| Wheels                    |  |           |                                      |
| 3.1                       | Tires type   |           | Pneumatic                            |
| 3.2                       | Dimensions of front wheels   |           | 12,5/80-18/12 SL R4                  |
| 3.3                       | Dimensions of rear wheels  |           | 7,00-12/12 ED PLUS                   |
| 3.5                       | Number of front wheels / rear wheels   |           | 2 / 2                                |
| 3.5.2                     | Number of drive wheels   |           | 2                                    |
| 3.6                       | Front wheel gauge  | b10       | 1159 mm                              |
| 3.7                       | Rear wheel gauge   | b11       | 1176 mm                              |
| Dimensions                |  |           |                                      |
| 4.7                       | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) | h6 / h6*  | 2155 mm / 1990 mm                    |
| 4.8                       | Seat height/stand height   | h7        | 1094 mm                              |
| 4.19                      | Overall length   | l1        | 4265 mm                              |
| 4.20                      | Length to face of forks  | l2        | 3085 mm                              |
| 4.21                      | Overall width  | b1        | 1450 mm                              |
| 4.22                      | Forks section x width x length   | s / e / l | 45 mm x 122 mm / 1150 mm             |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B  |           | 3A                                   |
| 4.24                      | Fork carriage width  | b3        | 1260 mm                              |
| 4.31                      | Ground clearance below mast  | m1        | 300 mm                               |
| 4.32                      | Ground clearance at centre of wheelbase  | m2        | 310 mm                               |
| 4.35                      | Turning radius   | Wa        | 2650 mm                              |
| Performances              |  |           |                                      |
| 5.1                       | Travel speed (laden / unladen)   |           | 12 km/h / 24.90 km/h                 |
| 5.2                       | Lifting speed (laden / unladen)  |           | 0.47 m/s / 0.46 m/s                  |
| 5.3                       | Lowering speed (laden / unladen)   |           | 0.50 m/s / 0.30 m/s                  |
| 5.5                       | Drawbar pull (Laden / Unladen)   |           | 1810 daN / 1150 daN                  |
| 5.7                       | Gradeability (laden / unladen)   |           | 23 % / 26 %                          |
| 5.10                      | Service brake  |           | Hydraulic brakes by loss of pressure |
|                           | Transmission type  |           | Hydrostatic                          |
| Engine                    |  |           |                                      |
| 7.1                       | Engine brand / model   |           | Kubota / V2403                       |
| 7.2                       | I.C. Engine power rating   |           | 36 kW                                |
| 7.3                       | Rated speed  |           | 2700 rpm                             |
| 7.4                       | Number of cylinders / Capacity of cylinders  |           | 4 - 2434 cm³                         |
| Miscellaneous             |  |           |                                      |
| 8.1                       | Type of drive control  |           | Cable                                |
| 8.2                       | Working hydraulic pressure for attachments   |           | 180 bar                              |
| 8.3                       | Oil flow rate for attachments  |           | 53 l/min                             |
| 8.4                       | Sound level at the driver's ear according to DIN 12 053                                  |           | 82 dB                                |

### MC-X 30-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                |    | FVD 45 |
|---|----|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | °  | 10     |
| $\beta$ - Mast/fork carriage tilt, backward | °  | 12     |
| h1 - Mast lowered height                    | mm | 3038   |
| h2 - Mast free lift                         | mm | 117    |
| h3 - Mast lifting height                    | mm | 4500   |
| h4 - Mast extended height                   | mm | 5290   |
| Height at max capacity                      | mm | 2500   |

| Free Lift Triplex (FLT)                     |    | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 |
|---|----|--------|--------|--------|--------|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | °  | 10     | 10     | 10     | 10     | 10     | 6      |
| $\beta$ - Mast/fork carriage tilt, backward | °  | 12     | 12     | 12     | 12     | 12     | 6      |
| h1 - Mast lowered height                    | mm | 1988   | 1988   | 2188   | 2338   | 2438   | 2788   |
| h2 - Mast free lift                         | mm | 1235   | 1335   | 1435   | 1585   | 1685   | 2035   |
| h3 - Mast lifting height                    | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 5500   |
| h4 - Mast extended height                   | mm | 4236   | 4536   | 4836   | 5136   | 5536   | 6336   |
| Residual capacity at max height             | kg | 1580   |        |        |        |        |        |
| Height at max capacity                      | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Full Visibility Triplex (FVT)               |    | FVD 33 | FVD 37 | FVT 33 |
|---|----|--------|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | °  | 10     | 10     | 10     |
| $\beta$ - Mast/fork carriage tilt, backward | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                    | mm | 2338   | 2598   | 1878   |
| h2 - Mast free lift                         | mm | 117    | 117    | 129    |
| h3 - Mast lifting height                    | mm | 3300   | 3700   | 3300   |
| h4 - Mast extended height                   | mm | 4090   | 4490   | 4079   |
| Height at max capacity                      | mm | 2500   | 2500   | 2500   |



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