

Technical sheet :

# MC-X 25-2

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|       | Technical characteristics                                                                |           | Metric                               |
|-------|------------------------------------------------------------------------------------------|-----------|--------------------------------------|
| 1.1   | Manufacturer                                                                             |           | Manitou                              |
| 1.2   | Model Name                                                                               |           | MC-X 25-2                            |
| 1.3   | Power source                                                                             |           | Diesel                               |
| 1.4   | Operator type                                                                            |           | Seated                               |
| 1.5   | Max. capacity                                                                            | Q         | 2500 kg                              |
| 1.6   | Load center of gravity                                                                   | c         | 500 mm                               |
| 1.8   | Load distance, centre of drive axle to fork                                              | x         | 621 mm                               |
| 1.9   | Wheelbase                                                                                | y         | 1900 mm                              |
|       | Weight                                                                                   |           |                                      |
| 2.1   | Service weight                                                                           |           | 3875 kg                              |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                                         |           | 5510 kg / 865 kg                     |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)                                     |           | 1533 kg / 2342 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       | 1112 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        | 1034 mm                              |
| 4.19  | Overall length                                                                           | l1        | 4195 mm                              |
| 4.20  | Length to face of forks                                                                  | l2        | 3045 mm                              |
| 4.21  | Overall width                                                                            | b1        | 1450 mm                              |
| 4.22  | Forks section x width x length                                                           | s / e / l | 40 mm x 122 mm / 1150 mm             |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                                                  |           | 2A                                   |
| 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        | 320 mm                               |
| 4.35  | Turning radius                                                                           | Wa        | 2620 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                  |
| 5.10  | Service brake                                                                            |           | Hydraulic brakes by loss of pressure |
|       | Transmission type                                                                        |           | Hydrostatic                          |
|       | Engine                                                                                   |           |                                      |
| 7.1   | Engine brand / model / norm                                                              |           | Kubota / V2403 / Stage IIIA          |
| 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 25-2 - Dimensional drawing



# Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)         |    | FVD 33 | FVD 37 | FVD 45 |
|--------------------------------------|----|--------|--------|--------|
| α - Mast/fork camiage tilt, forward  | °  | 10     | 10     | 10     |
| β - Mast/fork camiage tilt, backward | °  | 12     | 12     | 12     |
| h1 - Mast lowered height             | mm | 2338   | 2598   | 3038   |
| h2 - Mast free lift                  | mm | 112    | 112    | 112    |
| h3 - Mast lifting height             | mm | 3300   | 3700   | 4500   |
| h4 - Mast extended height            | mm | 4090   | 4490   | 5290   |
| Height at max capacity               | mm | 2500   | 2500   | 2500   |

| Free Lift Triplex (FLT)              |    | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 |
|--------------------------------------|----|--------|--------|--------|--------|--------|--------|
| α - Mast/fork camiage tilt, forward  | °  | 10     | 10     | 10     | 10     | 10     | 6      |
| β - Mast/fork camiage tilt, backward | °  | 12     | 12     | 12     | 12     | 12     | 6      |
| h1 - Mast lowered height             | mm | 1988   | 2088   | 2188   | 2338   | 2438   | 2788   |
| h2 - Mast free lift                  | mm | 1210   | 1310   | 1410   | 1510   | 1660   | 1920   |
| h3 - Mast lifting height             | mm | 3400   | 3700   | 4000   | 4300   | 4700   | 5500   |
| h4 - Mast extended height            | mm | 4236   | 4536   | 4836   | 5168   | 5536   | 6408   |
| Height at max capacity               | mm | 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Full Visibility Triplex (FVT)        |    | FVT 33 |
|--------------------------------------|----|--------|
| α - Mast/fork camiage tilt, forward  | °  | 10     |
| β - Mast/fork camiage tilt, backward | °  | 12     |
| h1 - Mast lowered height             | mm | 1878   |
| h2 - Mast free lift                  | mm | 124    |
| h3 - Mast lifting height             | mm | 3300   |
| h4 - Mast extended height            | mm | 4079   |
| Height at max capacity               | mm | 2500   |



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