

Technical sheet :

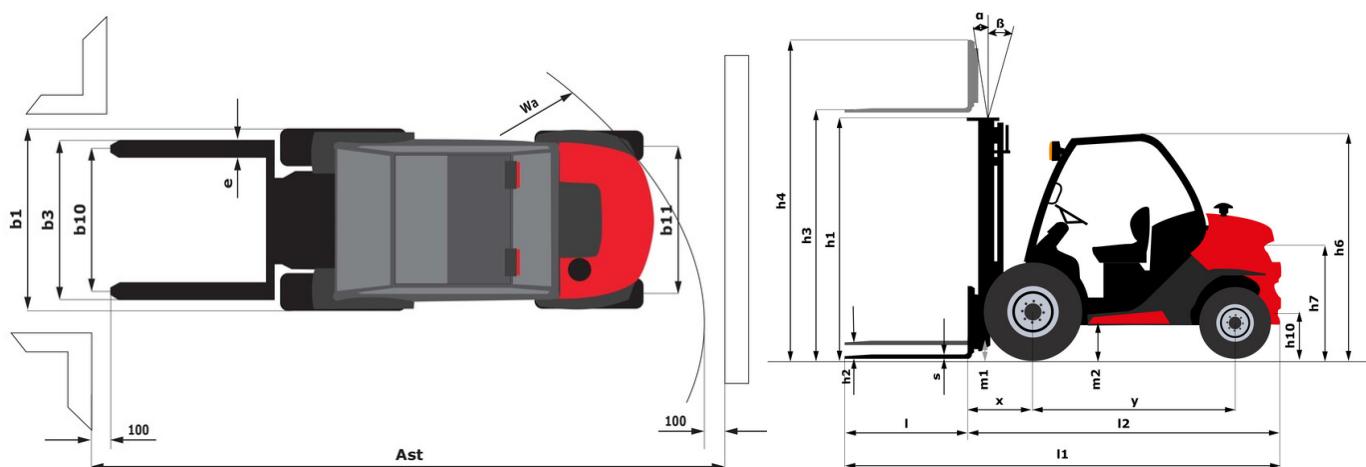
# MC-X 25-2



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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 (Buggy 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                       | Engine power (Hp / kW)  |           | 49 Hp/36 kW                          |
| 7.3                       | Rated speed   |           | 2700 rpm                             |
| 7.4                       | Number of cylinders / Capacity of cylinders   |           | 4 - 2434 cm <sup>3</sup>             |
| 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)          |    |
|---------------------------------------|----|
| α - Mast/fork carriage tilt, forward  | °  |
| β - Mast/fork carriage tilt, backward | °  |
| h1 - Mast lowered height              | mm |
| h2 - Mast free lift                   | mm |
| h3 - Mast lifting height              | mm |
| h4 - Mast extended height             | mm |
| Height at max capacity                | mm |

| FVD 33 | FVD 37 | FVD 45 |
|--------|--------|--------|
| 10     | 10     | 10     |
| 12     | 12     | 12     |
| 2338   | 2598   | 3038   |
| 112    | 112    | 112    |
| 3300   | 3700   | 4500   |
| 4090   | 4490   | 5290   |
| 2500   | 2500   | 2500   |

| Free Lift Triplex (FLT)               |    |
|---------------------------------------|----|
| α - Mast/fork carriage tilt, forward  | °  |
| β - Mast/fork carriage tilt, backward | °  |
| h1 - Mast lowered height              | mm |
| h2 - Mast free lift                   | mm |
| h3 - Mast lifting height              | mm |
| h4 - Mast extended height             | mm |
| Height at max capacity                | mm |

| FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 |
|--------|--------|--------|--------|--------|--------|
| 10     | 10     | 10     | 10     | 10     | 6      |
| 12     | 12     | 12     | 12     | 12     | 6      |
| 1988   | 2088   | 2188   | 2338   | 2438   | 2788   |
| 1210   | 1310   | 1410   | 1510   | 1660   | 1920   |
| 3400   | 3700   | 4000   | 4300   | 4700   | 5500   |
| 4236   | 4536   | 4836   | 5168   | 5536   | 6408   |
| 2500   | 2500   | 2500   | 2500   | 2500   | 2500   |

| Full Visibility Triplex (FVT)         |    |
|---------------------------------------|----|
| α - Mast/fork carriage tilt, forward  | °  |
| β - Mast/fork carriage tilt, backward | °  |
| h1 - Mast lowered height              | mm |
| h2 - Mast free lift                   | mm |
| h3 - Mast lifting height              | mm |
| h4 - Mast extended height             | mm |
| Height at max capacity                | mm |

| FVT 33 |
|--------|
| 10     |
| 12     |
| 1878   |
| 124    |
| 3300   |
| 4079   |
| 2500   |



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