Technical sheet:

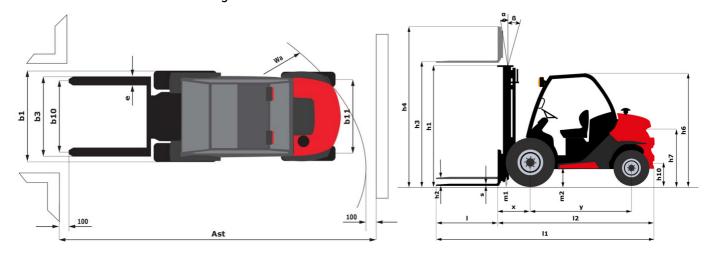
## MC-X 18-2





|             |   | MC-X 18-2 Creat | ed on 19 May 2024 at 10:44:09 am UTC |
|-------------|---|-----------------|--------------------------------------|
|             | Technical characteristics                               |                 | Metric                               |
| 1.1         | Manufacturer  |                 | Manitou                              |
| 1.2         | Model Name  |                 | MC-X_18-2                            |
| 1.3         | Power source  |                 | Diesel                               |
| 1.4         | Operator type   |                 | Seated                               |
| 1.5         | Max. capacity   | Q               | 1800 kg                              |
| 1.6         | Load center of gravity                                  | С               | 500 mm                               |
| 1.8         | Load distance, centre of drive axle to fork             | Х               | 616 mm                               |
| 1.9         | Wheelbase   | ٧               | 1900 mm                              |
|             | Weight  |                 |                                      |
| 2.1         | Service weight  |                 | 3405 kg                              |
| 2.2         | Weight on front axle (laden) / rear axle (laden)        |                 | 4200 kg / 1005 kg                    |
| 2.3         | Weight on front axle (Unladen) / rear axle (Unladen)    |                 | 1625 kg / 1780 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                              |
| 3.7         | Dimensions  | DII             | 1112 111111                          |
| 4.7         |   | h6*             | 1990 mm                              |
| 4.7         | Overall height of low overhead guard (Buggie version)   |                 |                                      |
| 4.8<br>4.19 | Seat height/stand height  Overall length                | h7<br>I1        | 1034 mm<br>4100 mm                   |
| 4.19        | •   | 11              | 2950 mm                              |
|             | Length to face of forks                                 |                 |                                      |
| 4.21        | Overall width   | b1              | 1450 mm                              |
| 4.22        | Forks section x width x length                          | s / e / l       | 35 mm x 100 mm / 1150 mm             |
| 4.23        | Fork carriage ISO 2328 (class/form) A/B                 | 10              | 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        | Tuming radius   | Wa              | 2585 mm                              |
|             | Performances  |                 |                                      |
| 5.1         | Travel speed (laden / unladen)                          |                 | 12 km/h / 24.90 km/h                 |
| 5.2         | Lifting speed (laden / unladen)                         |                 | 0.40 m/s / 0.40 m/s                  |
| 5.3         | Lowering speed (laden / unladen)                        |                 | 0.40 m/s / 0.40 m/s                  |
| 5.5         | Drawbar pull (Laden / Unladen)                          |                 | 1050 daN / 1100 daN                  |
| 5.7         | Gradeability (laden / unladen)                          |                 | 21 % / 34 %                          |
| 5.10        | Service brake   |                 | Hydraulic                            |
|             | Engine  |                 |                                      |
| 7.2         | Engine power according to ISO 1585                      |                 | 27 kW                                |
| 7.1         | Engine brand / model                                    |                 | Kubota / V1505                       |
| 7.2         | Engine power according to ISO 1585                      |                 | 27 kW                                |
| 7.3         | Rated speed   |                 | 3000 rpm                             |
| 7.4         | Number of cylinders / Capacity of cylinders             |                 | 4 - 1498 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                           |                 | 37 l/min                             |
| 8.4         | Sound level at the driver's ear according to DIN 12 053 |                 | 79 dB                                |

## MC-X 18-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)      |    | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|-----------------------------------|----|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward  | ٠  | 10     | 10     | 10     | 10     |
| Mast/fork carriage tilt, backward | ٠  | 12     | 12     | 12     | 12     |
| h1 - Mast lowered height          | mm | 2348   | 2608   | 2798   | 3048   |
| h2 - Mast free lift               | mm | 85     | 85     | 85     | 85     |
| h3 - Mast lifting height          | mm | 3300   | 3700   | 4000   | 4500   |
| h4 - Mast extended height         | mm | 4018   | 4428   | 4768   | 5268   |
| Residual capacity at max height   | kg | 1800   |        |        |        |
| Height at max capacity            | mm | 3300   | 2500   | 2500   | 2500   |

| Free Lift Triplex (FLT)           |    | FLT 37 | FLT 43 | FLT 47 | FLT 55  |
|-----------------------------------|----|--------|--------|--------|---------|
| Mast/fork carriage tilt, forward  | ۰  | 10     | 10     | 10     | 6       |
| Mast/fork carriage tilt, backward | ٠  | 12     | 12     | 12     | 6       |
| h1 - Mast lowered height          | mm | 1998   | 2198   | 2348   | 2608000 |
| h2 - Mast free lift               | mm | 1305   | 1505   | 1655   | 1915    |
| h3 - Mast lifting height          | mm | 3700   | 4300   | 4700   | 5500    |
| h4 - Mast extended height         | mm | 4453   | 5053   | 5453   | 6253    |
| Height at max capacity            | mm | 2500   | 2500   | 2500   | 2500    |

| Full Visibility Triplex (FVT)     |    | FVT 33 |
|-----------------------------------|----|--------|
| Mast/fork carriage tilt, forward  | ۰  | 10     |
| Mast/fork carriage tilt, backward | ٠  | 12     |
| h1 - Mast lowered height          | mm | 1888   |
| h2 - Mast free lift               | mm | 135    |
| h3 - Mast lifting height          | mm | 3300   |
| h4 - Mast extended height         | mm | 4048   |
| Height at max capacity            | mm | 2500   |





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