

Technical sheet :

# MC-X 18-2

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|       | 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                                  | c         | 500 mm                   |
| 1.8   | Load distance, centre of drive axle to fork             | x         | 616 mm                   |
| 1.9   | Wheelbase                                               | y         | 1900 mm                  |
|       | <b>Weight</b>                                           |           |                          |
| 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        |
|       | <b>Wheels</b>                                           |           |                          |
| 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                  |
|       | <b>Dimensions</b>                                       |           |                          |
| 4.7   | Overall height of low overhead guard (Buggy version)    | h6*       | 1990 mm                  |
| 4.8   | Seat height/stand height                                | h7        | 1034 mm                  |
| 4.19  | Overall length                                          | l1        | 4100 mm                  |
| 4.20  | Length to face of forks                                 | l2        | 2950 mm                  |
| 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                 |           | 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        | 2585 mm                  |
|       | <b>Performances</b>                                     |           |                          |
| 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                |
|       | <b>Engine</b>                                           |           |                          |
| 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             |
|       | <b>Miscellaneous</b>                                    |           |                          |
| 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  | °  | 10     | 10     | 10     | 10     |
| Mast/fork carriage tilt, backward | °  | 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  | °  | 10     | 10     | 10     | 6       |
| Mast/fork carriage tilt, backward | °  | 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  | °  | 10     |
| Mast/fork carriage tilt, backward | °  | 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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