

Technical sheet :

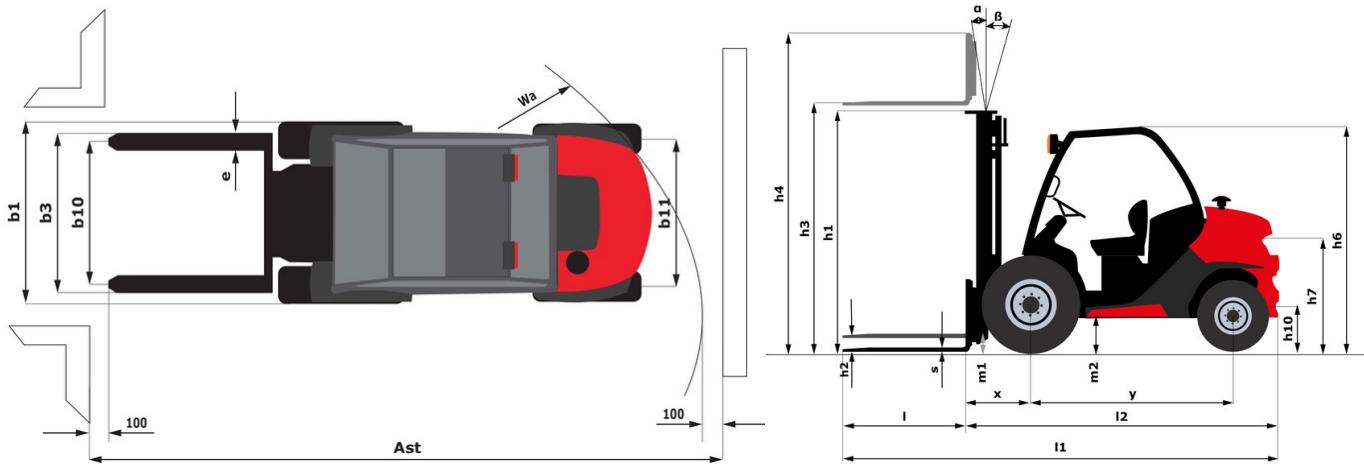
# MC-X 30-2



 **MANITOU**  
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| 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   | 3000 kg                              |  |
| 1.6                       | Load center of gravity  | 500 mm                               |  |
| 1.8                       | Load distance, centre of drive axle to fork   | 626 mm                               |  |
| 1.9                       | Wheelbase   | 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   | 1159 mm                              |  |
| 3.7                       | Rear wheel gauge  | 1176 mm                              |  |
| Dimensions                |   |                                      |  |
| 4.7                       | Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version) | 2155 mm / 1990 mm                    |  |
| 4.8                       | Seat height/stand height  | 1094 mm                              |  |
| 4.19                      | Overall length  | 4265 mm                              |  |
| 4.20                      | Length to face of forks   | 3085 mm                              |  |
| 4.21                      | Overall width   | 1450 mm                              |  |
| 4.22                      | Forks section x width x length  | 45 mm x 122 mm / 1150 mm             |  |
| 4.23                      | Fork carriage ISO 2328 (class/form) A/B   | 3A                                   |  |
| 4.24                      | Fork carriage width   | 1260 mm                              |  |
| 4.31                      | Ground clearance below mast   | 300 mm                               |  |
| 4.32                      | Ground clearance at centre of wheelbase   | 310 mm                               |  |
| 4.35                      | Turning radius  | 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 / 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 30-2 - Dimensional drawing



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)          |         |
|---------------------------------------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    |
| β - 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 |

| FVD 45                                |         |
|---------------------------------------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    |
| β - 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)               |         |
|---------------------------------------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    |
| β - Mast/fork carriage tilt, backward | ° 12    |
| h1 - Mast lowered height              | mm 1988 |
| h2 - Mast free lift                   | mm 1235 |
| h3 - Mast lifting height              | mm 3400 |
| h4 - Mast extended height             | mm 4236 |
| Residual capacity at max height       | kg 1580 |
| Height at max capacity                | mm 2500 |

| FLT 34                                | FLT 37  | FLT 40  | FLT 43  | FLT 47  | FLT 55  |
|---------------------------------------|---------|---------|---------|---------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    | ° 10    | ° 10    | ° 10    | ° 6     |
| β - Mast/fork carriage tilt, backward | ° 12    | ° 12    | ° 12    | ° 12    | ° 6     |
| h1 - Mast lowered height              | mm 1988 | mm 1988 | mm 2188 | mm 2338 | mm 2438 |
| h2 - Mast free lift                   | mm 1235 | mm 1335 | mm 1435 | mm 1585 | mm 1685 |
| h3 - Mast lifting height              | mm 3400 | mm 3700 | mm 4000 | mm 4300 | mm 4700 |
| h4 - Mast extended height             | mm 4236 | mm 4536 | mm 4836 | mm 5136 | mm 5536 |
| Residual capacity at max height       | kg 1580 |
| Height at max capacity                | mm 2500 |

| Full Visibility Triplex (FVT)         |         |
|---------------------------------------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    |
| β - Mast/fork carriage tilt, backward | ° 12    |
| h1 - Mast lowered height              | mm 2338 |
| h2 - Mast free lift                   | mm 117  |
| h3 - Mast lifting height              | mm 3300 |
| h4 - Mast extended height             | mm 4090 |
| Height at max capacity                | mm 2500 |

| FVD 33                                | FVD 37  | FVT 33  |
|---------------------------------------|---------|---------|
| α - Mast/fork carriage tilt, forward  | ° 10    | ° 10    |
| β - Mast/fork carriage tilt, backward | ° 12    | ° 12    |
| h1 - Mast lowered height              | mm 2338 | mm 2598 |
| h2 - Mast free lift                   | mm 117  | mm 117  |
| h3 - Mast lifting height              | mm 3300 | mm 3700 |
| h4 - Mast extended height             | mm 4090 | mm 4490 |
| Height at max capacity                | mm 2500 | mm 2500 |



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