

Technical sheet :

# MI-X 18 G

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 **MANITOU**  
HANDLING YOUR WORLD

|      | Technical characteristics                                       |           | Metric                   |
|------|-----------------------------------------------------------------|-----------|--------------------------|
| 1.1  | Manufacturer                                                    |           | MANITOU                  |
| 1.2  | Model Name                                                      |           | Mi-X 18 D                |
| 1.3  | Power source                                                    |           | Lpg                      |
| 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         | 405 mm                   |
| 1.9  | Wheelbase                                                       | y         | 1420 mm                  |
|      | <b>Weight</b>                                                   |           |                          |
| 2.1  | Service weight                                                  |           | 2905 kg                  |
| 2.2  | Weight on front axle (laden) / rear axle (laden)                |           | 4160 kg / 545 kg         |
| 2.3  | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1215 kg / 1690 kg        |
|      | <b>Wheels</b>                                                   |           |                          |
| 3.1  | Tires type                                                      |           | Inflatable               |
| 3.2  | Dimensions of front wheels                                      |           | 6.50-10 10               |
| 3.3  | Dimensions of rear wheels                                       |           | 5.00-8 8                 |
| 3.5  | Number of front wheels / rear wheels                            |           | 2 / 2                    |
| 3.6  | Front wheel gauge                                               | b10       | 900 mm                   |
| 3.7  | Rear wheel gauge                                                | b11       | 920 mm                   |
|      | <b>Dimensions</b>                                               |           |                          |
| 4.7  | Height of overhead guard (cabin)                                | h6        | 2090 mm                  |
| 4.8  | Seat height/stand height                                        | h7        | 1160 mm                  |
| 4.12 | Height of towing bar (coupling height)                          | h10       | 315 mm                   |
| 4.19 | Overall length                                                  | l1        | 3350 mm                  |
| 4.20 | Length to face of forks                                         | l2        | 2280 mm                  |
| 4.21 | Overall width                                                   | b1        | 1080 mm                  |
| 4.21 | Overall width - Single wheels                                   | b1        | 1080 mm                  |
| 4.22 | Forks section / width / length                                  | s / e / l | 35 mm x 100 mm x 1150 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B                         |           | 2A                       |
| 4.24 | Fork carriage width                                             | b3        | 1000 mm                  |
| 4.31 | Ground clearance below mast                                     | m1        | 115 mm                   |
| 4.32 | Ground clearance at centre of wheelbase                         | m2        | 150 mm                   |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 3615 mm                  |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 3815 mm                  |
| 4.35 | Turning radius                                                  | Wa        | 2010 mm                  |
| 4.36 | Internal turning radius (over tyres)                            | b13       | 55 mm                    |
|      | <b>Performances</b>                                             |           |                          |
| 5.1  | Travel speed (laden / unladen)                                  |           | 17.50 km/h-18 km/h       |
| 5.2  | Lifting speed (laden / unladen)                                 |           | 0.45 m/s-0.55 m/s        |
| 5.3  | Lowering speed (laden / unladen)                                |           | 0.50 m/s-0.55 m/s        |
| 5.5  | Drawbar pull (Laden / Unladen)                                  |           | 1450 daN / 800 daN       |
| 5.7  | Gradeability (laden / unladen)                                  |           | 20 % / 20 %              |
| 5.10 | Service brake                                                   |           | Hydraulic                |
|      | <b>Engine</b>                                                   |           |                          |
| 6.6  | Energy consumption                                              |           | 5.70 kWh                 |
| 7.1  | Engine brand / model                                            |           | GCT (ex-Nissan) / K21    |
| 7.2  | Engine power according to ISO 1585                              |           | 29 kW                    |
| 7.3  | Rated speed                                                     |           | 2250 rpm                 |
| 7.4  | Number of cylinders / Capacity of cylinders                     |           | 4 - 2065 cm³             |
|      | Energy consumption according to VDI cycle (Gas)                 |           | 5.70 kg CO2/h            |
|      | <b>Miscellaneous</b>                                            |           |                          |
| 8.2  | Working hydraulic pressure for attachments                      |           | 160 bar                  |
| 8.3  | Oil flow rate for attachments                                   |           | 52 l/min                 |
| 8.4  | Measured/guaranteed mean noise level at the ear of the operator |           | < 81 dB                  |
| 8.4  | Sound level at the driver's ear according to DIN 12 053         |           | 81 dB                    |

## MI-X 18 G - Dimensional drawing



## Characteristics of masts and residual capacities



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