

Technical sheet :

# MT-X 1440 A

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |           | Metric   |
|--|-----------|--|
| Max. capacity  |           | 4000 kg  |
| Max. lifting height  |           | 13.53 m  |
| Maximum outreach   |           | 9.46 m   |
| Breakout force with bucket                                       |           | 8800 daN   |
| Weight and dimensions  |           |  |
| Overall length to carriage                                       | l11       | 6.02 m   |
| Overall width  | b1        | 2.42 m   |
| Overall height   | h17       | 2.45 m   |
| Wheelbase  | y         | 3.07 m   |
| Ground clearance   | m4        | 0.37 m   |
| Overall cab width  | b4        | 0.89 m   |
| Tilt-up angle  | a4        | 12 °   |
| Tilt-down angle  | a5        | 114 °  |
| External turning radius (over tyres)                             | Wa1       | 3.94 m   |
| Overall weight   |           | 11755 kg   |
| Unladen weight (with man basket)                                 |           | 11755 kg   |
| Tires type   |           | Pneumatic  |
| Standard tires   |           | Alliance 400/80 - 24 - 162A8                           |
| Forks length / width / section                                   | l / e / s | 1200 mm x 125 mm x 45 mm                               |
| Performances   |           |  |
| Lifting  |           | 15.70 s  |
| Lowering   |           | 13.30 s  |
| Extension  |           | 19.20 s  |
| Retraction   |           | 14.80 s  |
| Crowd  |           | 4 s  |
| Dump   |           | 4 s  |
| Engine   |           |  |
| Engine brand   |           | Perkins  |
| Engine norm  |           | Stage IIIA   |
| Max. fuel sulphur content  |           | 5000 ppm   |
| Engine model   |           | 1104D-44TA   |
| Number of cylinders / Capacity of cylinders                      |           | 4 - 4400 cm³   |
| I.C. Engine power rating - Power                                 |           | 101 Hp / 74.50 kW                                      |
| Max. torque / Engine rotation                                    |           | 400 Nm @ 1400 rpm                                      |
| Drawbar pull (Laden)   |           | 8250 daN   |
| Transmission   |           |  |
| Transmission type  |           | Torque converter                                       |
| Number of gears (forward / reverse)                              |           | 4 / 4  |
| Max. travel speed  |           | 24.90 km/h   |
| Max. travel speed (may vary according to applicable regulations) |           | 25 km/h  |
| Parking brake  |           | Automatic Negative Hand-brake                          |
| Service brake  |           | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics   |           |  |
| Hydraulic pump type  |           | Gear pump  |
| Hydraulic flow / Pressure  |           | 167 l/min-265 bar                                      |
| Tank capacities  |           |  |
| Engine oil   |           | 11.40 l  |
| Hydraulic oil  |           | 135 l  |
| Hydraulic tank capacity  |           | 175 l  |
| Fuel tank  |           | 140 l  |
| Noise and vibration  |           |  |
| Noise at driving position (LpA)                                  |           | 82 dB  |
| Noise to environment (LwA)                                       |           | 105 dB   |
| Vibration on hands/arms  |           | < 2.50 m/s²  |
| Compatible platform  |           |  |
| Platform capacity  | Q         | 1000 kg  |
| Number of people   |           | 3  |
| Platform dimensions (length x width)                             | lp / ep   | 5000 m x 1200 m  |
| Platform weight*   |           | 1150 kg  |
| Miscellaneous  |           |  |
| Steering wheels (front / rear)                                   |           | 2 / 2  |
| Drive wheels (front / rear)                                      |           | 2 / 2  |
| Cab certification  |           | Cabin ROPS - FOPS level 2                              |
| Controls   |           | JSM  |

## MT-X 1440 A - Dimensional drawing



## MT-X 1440 A - Load chart

Machine on tires with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric



## Machine on stabilisers with Man basket Metric





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