

Technical sheet :

# MT-X 735

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |           | Metric  |
|--|-----------|---|
| Max. capacity  |           | 3500 kg                                       |
| Max. lifting height  |           | 6.90 m  |
| Maximum outreach   |           | 4 m   |
| Breakout force with bucket                                       |           | 6980 daN                                      |
| Weight and dimensions  |           |   |
| Overall length to carriage                                       | l11       | 4.70 m  |
| Overall length (with forks)                                      | l1        | 5.98 m  |
| Overall width  | b1        | 2.26 m  |
| Overall height   | h17       | 2.48 m  |
| Wheelbase  | y         | 2.80 m  |
| Ground clearance   | m4        | 0.36 m  |
| Overall cab width  | b4        | 0.95 m  |
| Tilt-up angle  | a4        | 13 °  |
| Tilt-down angle  | a5        | 114 °   |
| External turning radius (over tyres)                             | Wa1       | 3.77 m  |
| Unladen weight (with forks)                                      |           | 6970 kg                                       |
| Unladen weight   |           | 6660 kg                                       |
| Tires type   |           | Pneumatic                                     |
| Standard tires   |           | Apollo 400/80 - 24 - 162A8                    |
| Forks length / width / section                                   | l / e / s | 1200 mm x 100 mm x 50 mm                      |
| Performances   |           |   |
| Lifting  |           | 6.60 s  |
| Lowering   |           | 5 s   |
| Extension  |           | 5.90 s  |
| Retraction   |           | 4.60 s  |
| Crowd  |           | 3.10 s  |
| Dump   |           | 3.10 s  |
| Engine   |           |   |
| Engine brand   |           | Perkins                                       |
| Engine norm  |           | Stage IIIA                                    |
| Engine model   |           | 1104D-44T NL85156                             |
| Number of cylinders / Capacity of cylinders                      |           | 4 - 4400 cm³                                  |
| I.C. Engine power rating - Power                                 |           | 95 Hp / 70 kW                                 |
| Max. torque / Engine rotation                                    |           | 392 Nm @ 1400 rpm                             |
| Drawbar pull   |           | 5650 daN                                      |
| Drawbar pull (Laden)   |           | 8050 daN                                      |
| Electric circuit   |           |   |
| 12V Battery capacity   |           | 110 Ah  |
| Transmission   |           |   |
| Transmission type  |           | Torque converter                              |
| Number of gears (forward / reverse)                              |           | 4 / 4   |
| Max. travel speed  |           | 25 km/h                                       |
| Max. travel speed (may vary according to applicable regulations) |           | 24.50 km/h                                    |
| Parking brake  |           | Automatic parking brake                       |
| Service brake  |           | Hydraulic servo brake                         |
| Hydraulics   |           |   |
| Hydraulic pump type  |           | Axial piston                                  |
| Hydraulic Pressure   |           | 260 bar                                       |
| Tank capacities  |           |   |
| Engine oil   |           | 11.40 l                                       |
| Hydraulic oil  |           | 129 l   |
| Fuel tank  |           | 103 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                                   |
| Miscellaneous  |           |   |
| Steering wheels (front / rear)                                   |           | 2 / 2   |
| Drive wheels (front / rear)                                      |           | 2 / 2   |
| Safety / Cab certification                                       |           | Standard EN 15000 / Cabin ROPS - FOPS level 2 |
| Controls   |           | JSM   |

MT-X 735 - Dimensional drawing



MT-X 735 - Load chart

Machine on tires with forks Metric





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