

Technical sheet :

MT-X 735



 **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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