Technical sheet :

# MT 735 75D ST5

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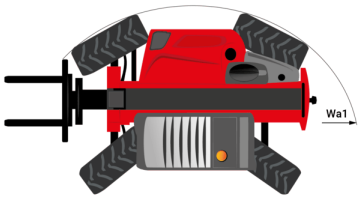
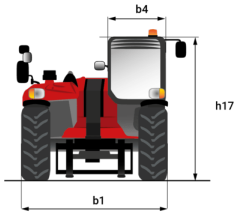
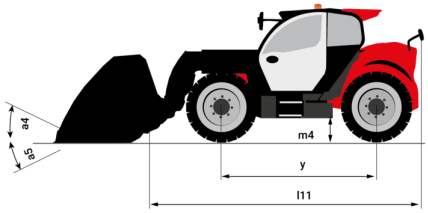
| Capacities | | Metric |
|---|---|---|
| Max. capacity | | 3500 kg |
| Max. lifting height | | 6.90 m |
| Max. outreach | | 4 m |
| Breakout force with bucket | | 6850 daN |
| **Weight and dimensions** | | |
| Overall length to carriage | l11 | 4.70 m |
| Length to face of forks | l2 | 4.78 m |
| Overall length (with forks) | l1 | 5.98 m |
| Overall width | b1 | 2.27 m |
| Overall height | h17 | 2.48 m |
| Wheelbase | y | 2.80 m |
| Ground clearance | m4 | 0.42 m |
| Overall cab width | b4 | 0.95 m |
| Tilt-up angle | a4 | 13 ° |
| Tilt-down angle | a5 | 114 ° |
| External turning radius | Wa3 | 3.78 m |
| External turning radius (over tyres) | Wa1 | 3.78 m |
| Unladen weight (with forks) | | 6930 kg |
| Unladen weight | | 6610 kg |
| Overall weight | | 6930 kg |
| Tires type | | Pneumatic |
| Standard tires | | Alliance 400/80 - 24 -162A8 |
| Forks length / width / section | l / e / s | 1200 mm x 100 mm x 50 mm |
| **Performances** | | |
| Lifting | | 5.90 s |
| Lowering | | 4.20 s |
| Extension | | 12.30 s |
| Retraction | | 4.70 s |
| Crowd | | 3.50 s |
| Dump | | 3.60 s |
| **Engine** | | |
| Engine brand | | Deutz |
| Engine norm | | Stage V / Tier 4 Final |
| Engine model | | TCD 3.6 L |
| Number of cylinders / Capacity of cylinders | | 4 - 2924 cm³ |
| I.C. Engine power rating - Power | | 75 Hp / 55.40 kW |
| Max. torque / Engine rotation | | 375 Nm @ 1400 rpm |
| Drawbar pull (Laden) | | 7220 daN |
| HVO validated (according to EN 15940 standard) | | Yes |
| **Electric circuit** | | |
| 12V Battery capacity | | 110 Ah |
| **Transmission** | | |
| Transmission type | | Torque converter |
| Number of gears (forward / reverse) | | 4 / 4 |
| Max. travel speed | | 24.70 km/h |
| Max. travel speed (may vary according to applicable regulations) | | 24.70 km/h |
| Parking brake | | Automatic parking brake |
| Service brake | | Hydraulic servo brake |
| **Hydraulics** | | |
| Hydraulic pump type | | Axial piston |
| Hydraulic flow / Pressure | | 110 l/min-260 bar |
| **Tank capacities** | | |
| Engine oil | | 8.50 l |
| Hydraulic oil | | 129 l |
| Fuel tank | | 103 l |
| **Noise and vibration** | | |
| Noise at driving position (LpA) | | 77 dB |
| Noise to environment (LwA) | | 104 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| **Miscellaneous** | | |
| Steering wheels (front / rear) | | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 |
| Safety / Safety cab homologation | | Standard EN 15000 / Cabin ROPS - FOPS level 2 |
| Controls | | JSM |

# MT 735 75D ST5 - Dimensional drawing

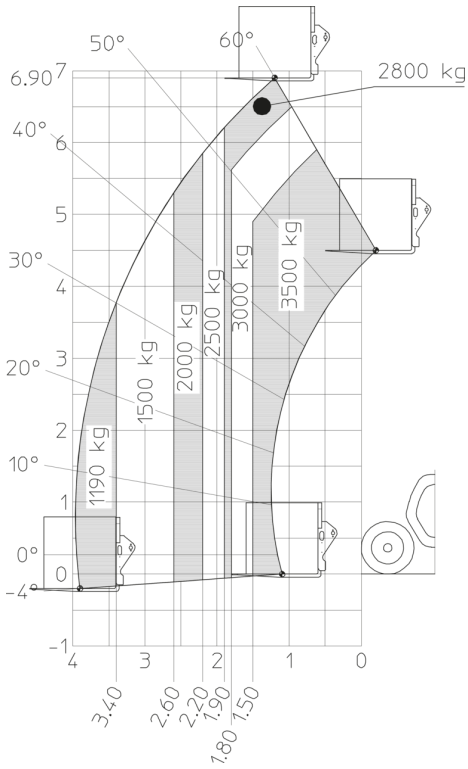



# MT 735 75D ST5 - Load chart

## Machine on tires with forks Metric



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