

Technical sheet :

# **MT 735 75D ST5**

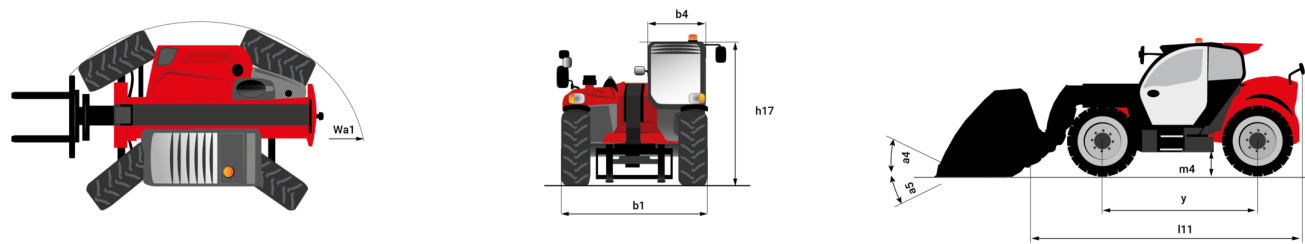
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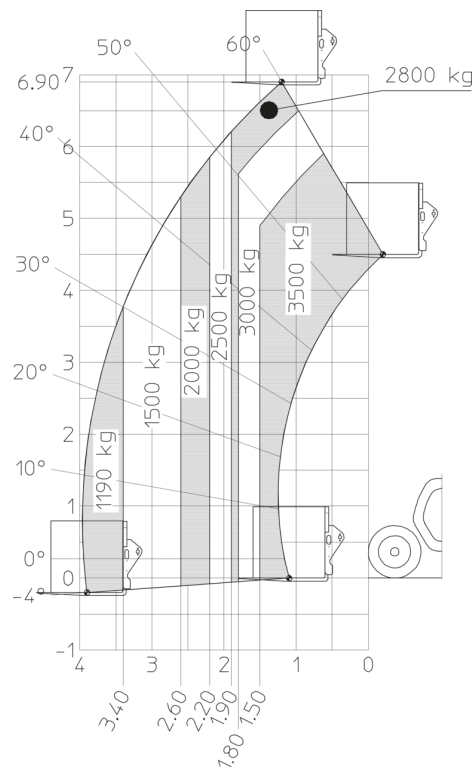
| Capacities                                                       |           | Metric                                        |
|------------------------------------------------------------------|-----------|-----------------------------------------------|
| Max. capacity                                                    |           | 3500 kg                                       |
| Max. lifting height                                              |           | 6.90 m                                        |
| Maximum 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                                                       |           | Inflatable                                    |
| 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 / Cab certification                                       |           | 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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