

Technical sheet :

# MT 735 75D ST5

---



 **MANITOU**  
HANDLING YOUR WORLD

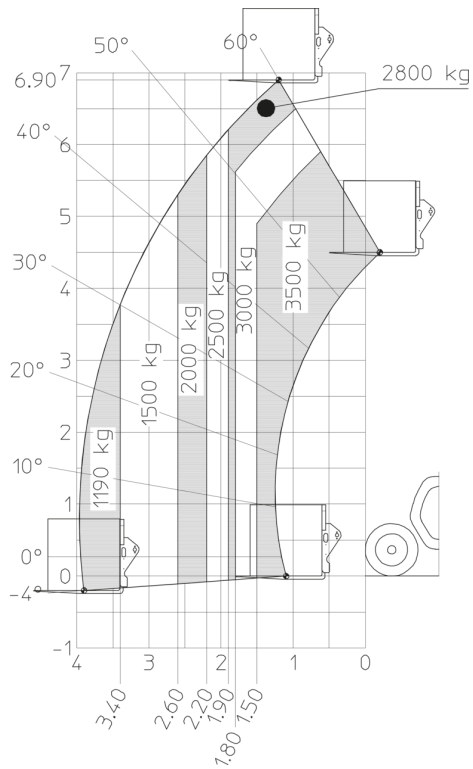
| Capacities                                     |           | Metric                                      |
|--|-----------|---|
| Max. capacity                                  |           | 3500 kg                                     |
| Max. lifting height                            |           | 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 A325               |
| Standard tires                                 |           | Alliance 400/80 - 24 -162A8                 |
| Forks length / width / section                 | l / e / s | 1200 mm x 100 mm / 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                                  |
| Parking brake                                  |           | Automatic parking brake                     |
| Service brake                                  |           | Hydraulic servo brake                       |
| Hydraulics                                     |           |   |
| Hydraulic pump type                            |           | Axial piston                                |
| Hydraulic Pressure                             |           | 260 bar                                     |
| Tank capacities                                |           |   |
| Engine oil                                     |           | 8.50 l                                      |
| Hydraulic oil                                  |           | 149 l                                       |
| Fuel tank                                      |           | 137 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 / ROPS - FOPS level 2 cab |
| Controls                                       |           | JSM   |

## MT 735 75D ST5 - Dimensional drawing



## MT 735 75D ST5 - Load chart

Machine on tyres with forks Metric





**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes