Technical sheet:

# **MT 1840**

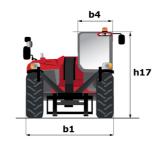


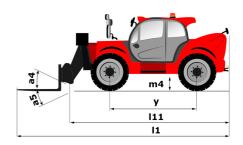


|   | MT 1840 Created on April 23, 2024 at 12:03:54 PN |
|---|--|
| Capacities                                  | Metric   |
| Max. capacity                               | 4000 kg  |
| Max. lifting height                         | 17.55 m  |
| Max. outreach                               | 13.08 m  |
| Breakout force with bucket                  | 7766 daN   |
| Weight and dimensions                       |  |
| Overall length to carriage                  | l11 6.15 m                                       |
| Length to face of forks                     | 12 6.27 m  |
| Overall width                               | b1 2.36 m  |
| Overall height                              | h17 2.45 m                                       |
| Wheelbase                                   | у 3.07 m   |
| Ground clearance                            | m4 0.37 m  |
| Overall cab width                           | b4 0.89 m  |
| Tilt-up angle                               | a4 12 °  |
| Tilt-down angle                             | a5 114°  |
|   | Wa1 3.94 m                                       |
| External turning radius (over tyres)        |  |
| Unladen weight (with forks)                 | 11870 kg   |
| Overall weight                              | 11800 kg   |
| Tires type                                  | Pneumatic  |
| Standard tires                              | Alliance 400/80 - 24 - 162A8                     |
| Forks length / width / section              | I / e / s 1200 mm x 125 mm / 45 mm               |
| Performances                                |  |
| Lifting                                     | 16 s   |
| Lowering                                    | 12 s   |
| Extension                                   | 16 s   |
| Retraction                                  | 13 s   |
| Crowd                                       | 4 s  |
| Dump  | 4 s  |
| Engine                                      |  |
| Engine brand                                | Perkins  |
| Engine norm                                 | Stage IV / Tier 4 Final                          |
| Engine model                                | 854F-E34TA                                       |
| Number of cylinders / Capacity of cylinders | 4 - 3400 cm³                                     |
| I.C. Engine power rating - Power            | 100 Hp / 75 kW                                   |
| Max. torque / Engine rotation               | 430 Nm @ 1400 rpm                                |
| Drawbar pull (Laden)                        | 6680 daN   |
| Transmission                                |  |
| Transmission type                           | Torque converter                                 |
| Number of gears (forward / reverse)         | 4 / 4  |
| Max. travel speed                           | 24.90 km/h                                       |
| Parking brake                               | Automatic parking brake                          |
| Service brake                               | Oil-immersed multi-discs braking on front &      |
|   | axles  |
| Hydraulics                                  |  |
| Hydraulic pump type                         | Gear pump  |
| Hydraulic flow / Pressure                   | 167 l/min-270 bar                                |
| Tank capacities                             |  |
| Engine oil                                  | 7.50   |
| Hydraulic oil                               | 135 I  |
| Fuel tank                                   | 140 l  |
| DEF tank capacity                           | 21.60  |
| Noise and vibration                         |  |
| Noise at driving position (LpA)             | 78 dB  |
| Noise to environment (LwA)                  | 103 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 c        |
| Controls                                    | JSM  |
|   |  |

# MT 1840 - Dimensional drawing





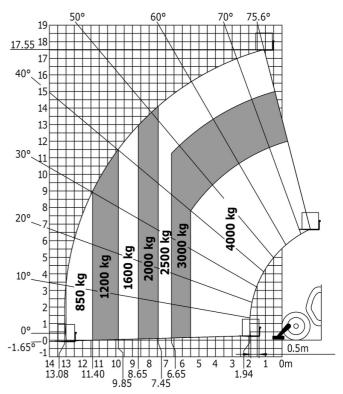


### MT 1840 - Load chart

Machine on tyres with forks - with levelling device Metric

## 40° 12 11 10 30° 9 1600 kg 2000 kg 2500 kg 3000 kg 20° 5 1200 kg 900 kg/ 600 kg 10° 0 0.5m -4.64° -10 9 9.60 8.65 8 7 6 5 4 3 2 7.20 5.40 3.90 2.65 6.40 4.70 3.40 2.05

### Machine on lowered stabilisers 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



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