

Technical sheet :

# MT-X 1840 A

---



| Capacities                                  |           | Metric   |
|---|-----------|--|
| Max. capacity                               | Q         | 4000 kg  |
| Max. lifting height                         |           | 17.25 m  |
| Max. outreach                               |           | 9.60 m   |
| Breakout force with bucket                  |           | 8400 daN   |
| Weight and dimensions                       |           |  |
| Overall length to carriage                  | l11       | 6.16 m   |
| Length to face of forks                     | l2        | 6.27 m   |
| Overall width                               | b1        | 2.36 m   |
| Overall height                              | h17       | 2.45 m   |
| Wheelbase                                   | y         | 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 °  |
| External turning radius (over tyres)        | Wa1       | 3.94 m   |
| Unladen weight (with forks)                 |           | 11630 kg   |
| Unladen weight (with man basket)            |           | 12560 kg   |
| Tires type                                  |           | Pneumatic  |
| Standard tires                              |           | Alliance 400/80 - 24 - 162A8                           |
| Forks length / width / section              | l / e / s | 1200 mm x 125 mm x 50 mm                               |
| Performances                                |           |  |
| Lifting                                     |           | 18 s   |
| Lowering                                    |           | 14.40 s  |
| Extension                                   |           | 17.90 s  |
| Retraction                                  |           | 16.50 s  |
| Crowd                                       |           | 5.10 s   |
| Dump  |           | 4 s  |
| Engine                                      |           |  |
| Engine brand                                |           | Perkins  |
| Engine norm                                 |           | Stage IIIA   |
| Max. fuel sulphur content                   |           | 5000 ppm   |
| Engine model                                |           | 1104D-44TA   |
| Number of cylinders / Capacity of cylinders |           | 4 - 4400 cm³   |
| Engine power (Hp/kW)                        |           | 101 Hp / 74.50 kW                                      |
| Max. torque / Engine rotation               |           | 400 Nm @ 1400 rpm                                      |
| Drawbar pull (Laden)                        |           | 8340 daN   |
| Transmission                                |           |  |
| Transmission type                           |           | Torque converter                                       |
| Number of gears (forward / reverse)         |           | 4 / 4  |
| Max. travel speed                           |           | 24.90 km/h   |
| Parking brake                               |           | Automatic Negative Hand-brake                          |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Gear pump  |
| Hydraulic flow / Pressure                   |           | 167 l/min-265 bar                                      |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 11.40 l  |
| Hydraulic oil                               |           | 135 l  |
| Fuel tank capacity                          |           | 140 l  |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 82 dB  |
| Noise to environment (LwA)                  |           | 106 dB   |
| Vibration on hands/arms                     |           | < 2.50 m/s²  |
| Compatible platform                         |           |  |
| Platform capacity                           | Q         | 850 kg   |
| Number of people                            |           | 3  |
| Platform dimensions (length x width)        | lp / ep   | 5000 m x 1200 m  |
| Platform weight*                            |           | 1050 kg  |
| Miscellaneous                               |           |  |
| Steering wheels (front / rear)              |           | 2 / 2  |
| Drive wheels (front / rear)                 |           | 2 / 2  |
| Cab certification                           |           | Cabin ROPS - FOPS level 2                              |
| Controls                                    |           | JSM  |

## MT-X 1840 A - Dimensional drawing



## MT-X 1840 A - Load chart

Machine on stabilisers with Man basket 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