

Technical sheet :

# **MT 1440**

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| Capacities                                  |           | Metric                                                 |
|---------------------------------------------|-----------|--------------------------------------------------------|
| Max. capacity                               |           | 4000 kg                                                |
| Max. lifting height                         |           | 13.53 m                                                |
| Max. outreach                               | r1        | 9.46 m                                                 |
| Breakout force with bucket                  |           | 7895 daN                                               |
| Weight and dimensions                       |           |                                                        |
| Overall length to carriage                  | l11       | 6.13 m                                                 |
| Overall width                               | b1        | 2.37 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       | 3.97 m                                                 |
| Unladen weight (with forks)                 |           | 10940 kg                                               |
| Tyres type                                  |           | Pneumatic                                              |
| Standard tyres                              |           | Alliance 400/80 - 24 - 162A8                           |
| Forks length / width / section              | l / e / s | 1200 mm x 125 mm / 50 mm                               |
| Performances                                |           |                                                        |
| Lifting                                     |           | 15.90 s                                                |
| Lowering                                    |           | 12.10 s                                                |
| Extension                                   |           | 17.10 s                                                |
| Retraction                                  |           | 12.70 s                                                |
| Crowd                                       |           | 4.30 s                                                 |
| Dump                                        |           | 3.90 s                                                 |
| Engine                                      |           |                                                        |
| Engine brand                                |           | Perkins                                                |
| Engine norm                                 |           | Stage IV / Tier 4 Final                                |
| Engine model                                |           | 854F-E34TAN                                            |
| Number of cylinders / Capacity of cylinders |           | 4 - 3400 cm <sup>3</sup>                               |
| I.C. Engine power rating - Power (kW)       |           | 100 Hp / 75 kW                                         |
| Max. torque / Engine rotation               |           | 430 Nm @ 1400 rpm                                      |
| Drawbar pull (Laden)                        |           | 8090 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 & rear axles |
| Hydraulics                                  |           |                                                        |
| Hydraulic pump type                         |           | Gear pump                                              |
| Hydraulic flow / Pressure                   |           | 170 l/min / 270 bar                                    |
| Tank capacities                             |           |                                                        |
| Engine oil                                  |           | 7.50 l                                                 |
| Hydraulic oil                               |           | 135 l                                                  |
| Fuel tank                                   |           | 140 l                                                  |
| DEF tank capacity                           |           | 21.60 l                                                |
| Noise and vibration                         |           |                                                        |
| Noise at driving position (LpA)             |           | 78 dB(A)                                               |
| Noise to environment (LwA)                  |           | 103 dB(A)                                              |
| Vibration on hands/arms                     |           | < 2.50 m/s <sup>2</sup>                                |
| Miscellaneous                               |           |                                                        |
| Steering wheels (front / rear)              |           | 2 / 2                                                  |
| Drive wheels (front / rear)                 |           | 2 / 2                                                  |
| Safety / Safety cab homologation            |           | Standard EN 15000 / ROPS - FOPS cab (level 2)          |
| Controls                                    |           | JSM                                                    |





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