

Technical sheet :

# **MT 1840 A 100D ST5 S1**

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HANDLING YOUR WORLD

| Capacities                                  |           | Metric   |
|---|-----------|--|
| Max. capacity                               |           | 4000 kg  |
| Max. lifting height                         |           | 17.55 m  |
| Max. outreach                               |           | 13.08 m  |
| Breakout force with bucket                  |           | 8391 daN                                       |
| Weight and dimensions                       |           |  |
| Overall length to carriage                  | l11       | 6.15 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)                 |           | 12650 kg                                       |
| Overall weight                              |           | 12400 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                                     |           | 14 s   |
| Lowering                                    |           | 14 s   |
| Extension                                   |           | 19 s   |
| Retraction                                  |           | 15 s   |
| Scoop                                       |           | 5 s  |
| Dump  |           | 5 s  |
| Engine                                      |           |  |
| Engine brand                                |           | Deutz  |
| Engine norm                                 |           | Stage V  |
| Engine model                                |           | TCD 3.6  |
| Number of cylinders / Capacity of cylinders |           | 4 - 3621 cm <sup>3</sup>                       |
| I.C. Engine power rating - Power            |           | 100 Hp / 75 kW                                 |
| Max. torque / Engine rotation               |           | 410 Nm @ 1600 rpm                              |
| Drawbar pull (Laden)                        |           | 8391 daN                                       |
| Transmission                                |           |  |
| Transmission type                           |           | Torque converter                               |
| Number of gears (forward / reverse)         |           | 4 / 4  |
| Travel speed (laden)                        |           | 25 km/h  |
| Max. travel speed                           |           | 24.90 km/h                                     |
| Parking brake                               |           | Automatic negative parking brake               |
| Service brake                               |           | Oil-immersed multi-discs on front & rear axles |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Gear pump                                      |
| Hydraulic flow / Pressure                   |           | 167 l/min-270 bar                              |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 10 l   |
| Hydraulic oil                               |           | 135 l  |
| Diesel Exhaust fluid (AdBlue® type)         |           | 22.60 l  |
| Fuel tank                                   |           | 140 l  |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 79 dB  |
| Noise to environment (LwA)                  |           | 106 dB   |
| 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 cab homologation                     |           | Cabin ROPS - FOPS level 2                      |
| Controls                                    |           | JSM  |

# MT 1840 A 100D ST5 S1 - Dimensional drawing



# MT 1840 A 100D ST5 S1 - Load chart

Machine on tires with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric



# Machine on stabilisers with Man basket Metric





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