

Technical sheet :

# **MT 1840 ST5**

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| Capacities                                                       |           | Metric                                         |
|------------------------------------------------------------------|-----------|------------------------------------------------|
| Max. capacity                                                    | Q         | 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                                          | 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        | 16 °                                           |
| Tilt-down angle                                                  | a5        | 110 °                                          |
| External turning radius (over tyres)                             | Wa1       | 3.94 m                                         |
| Unladen weight (with forks)                                      |           | 11870 kg                                       |
| Overall weight                                                   |           | 11870 kg                                       |
| Tires type                                                       |           | Inflatable                                     |
| Standard tires                                                   |           | Alliance 400/80 - 24 - 162A8                   |
| Forks length / width / section                                   | l / e / s | 1200 mm x 125 mm x 45 mm                       |
| Performances                                                     |           |                                                |
| Lifting                                                          |           | 16 s                                           |
| Lowering                                                         |           | 12 s                                           |
| Extension                                                        |           | 16 s                                           |
| Retraction                                                       |           | 13 s                                           |
| Scoop                                                            |           | 4 s                                            |
| Crowd                                                            |           | 4 s                                            |
| Dump                                                             |           | 4 s                                            |
| Engine                                                           |           |                                                |
| Engine brand                                                     |           | Deutz                                          |
| Engine nom                                                       |           | Stage V                                        |
| Engine model                                                     |           | TCD 3.6                                        |
| Number of cylinders / Capacity of cylinders                      |           | 4 - 3621 cm <sup>3</sup>                       |
| Engine power (Hp/kW)                                             |           | 100 Hp / 75 kW                                 |
| Max. torque / Engine rotation                                    |           | 410 Nm @ 1600 rpm                              |
| Drawbar pull (Laden)                                             |           | 7850 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                                     |
| Max. travel speed (may vary according to applicable regulations) |           | 24.90 km/h                                     |
| Parking brake                                                    |           | Automatic 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) tank capacity                |           | 22.60 l                                        |
| Fuel tank capacity                                               |           | 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                                          |
| Cab certification                                                |           | Cabin ROPS - FOPS level 2                      |
| Controls                                                         |           | JSM                                            |

# MT 1840 ST5 - Dimensional drawing

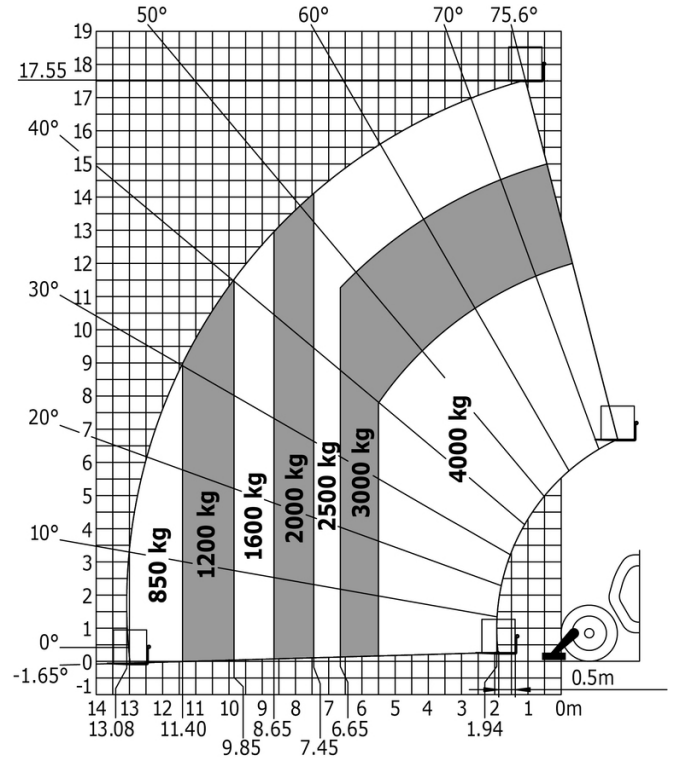


# MT 1840 ST5 - Load chart

Machine on tires with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric





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