

Technical sheet :

# **MT 1840 ST5**

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HANDLING YOUR WORLD

| 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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