

Technical sheet :

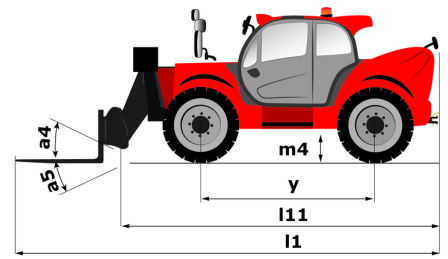
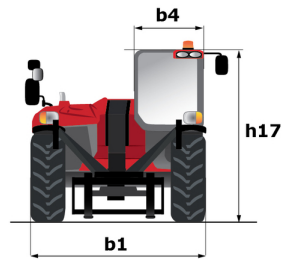
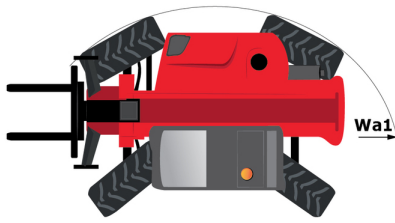
MT 1840 A 100D ST5 S1



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Imperial |
|--|-----------|--|
| Max. capacity | | 8818 lb |
| Max. lifting height | | 57 ft 7 in |
| Maximum outreach | | 42 ft 11 in |
| Breakout force with bucket | | 8391 daN |
| Weight and dimensions | | |
| Overall length to carriage | l11 | 20 ft 2 in |
| Length to face of forks | l2 | 20 ft 7 in |
| Overall width | b1 | 7 ft 9 in |
| Overall height | h17 | 8 ft |
| Wheelbase | y | 10 ft 1 in |
| Ground clearance | m4 | 1 ft 3 in |
| Overall cab width | b4 | 2 ft 11 in |
| Tilt-up angle | a4 | 12 ° |
| Tilt-down angle | a5 | 114 ° |
| External turning radius (over tyres) | Wa1 | 12 ft 11 in |
| Unladen weight (with forks) | | 27888 lb |
| Overall weight | | 27337 lb |
| Tires type | | Inflatable |
| Standard tires | | Alliance 400/80 - 24 - 162A8 |
| Forks length / width / section | l / e / s | 47 in x 5 in x 2 in |
| 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 - 221 in³ |
| I.C. Engine power rating - Power | | 100 Hp / 75 kW |
| Max. torque / Engine rotation | | 302 ft/lbs @ 1600 rpm |
| Drawbar pull (Laden) | | 8391 daN |
| Transmission | | |
| Transmission type | | Torque converter |
| Number of gears (forward / reverse) | | 4 / 4 |
| Travel speed (laden) | | 16 mph |
| Max. travel speed | | 15 mph |
| Max. travel speed (may vary according to applicable regulations) | | 15 mph |
| 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 | | 44 US gpm-3916 PSI |
| Tank capacities | | |
| Engine oil | | 3 US gal |
| Hydraulic oil | | 36 US gal |
| Diesel Exhaust fluid (AdBlue® type) | | 6 US gal |
| Fuel tank | | 37 US gal |
| Noise and vibration | | |
| Noise at driving position (LpA) | | 79 dB |
| Noise to environment (LwA) | | 106 dB |
| Vibration on hands/arms | | < 8 ft/s² |
| Miscellaneous | | |
| Steering wheels (front / rear) | | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 |
| Cab certification | | Cabin ROPS - FOPS level 2 |
| Controls | | JSM |

MT 1840 A 100D ST5 S1 - Dimensional drawing





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