

Technical sheet :

# **MLT 841-145 PS+**

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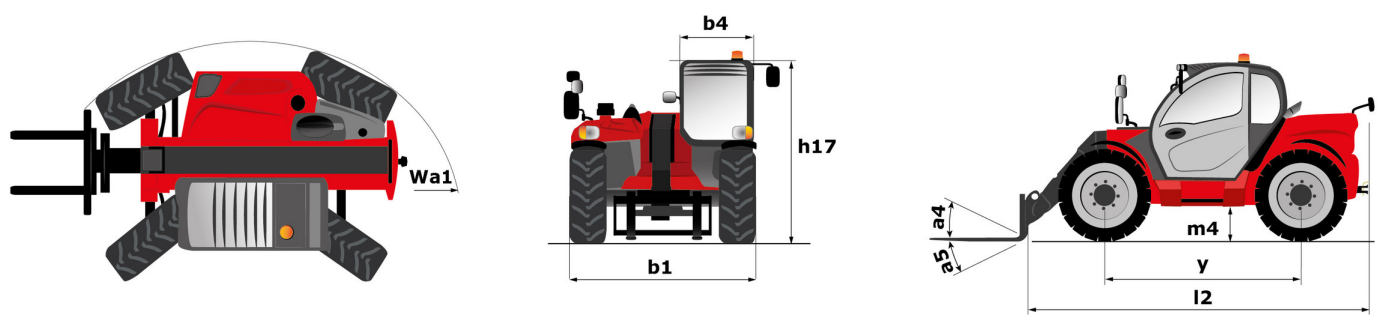
 **MANITOU**  
HANDLING YOUR WORLD

| Capacities  |     | Metric   |
|---|-----|--|
| Max. capacity   | Q   | 4100 kg  |
| Max. lifting height   | h3  | 7.60 m   |
| Max. outreach   |     | 4.45 m   |
| Reach at max. height  |     | 0.90 m   |
| Breakout force with bucket  |     | 5268 daN   |
| Weight and dimensions   |     |  |
| Unladen weight (with forks)                                       |     | 9160 kg  |
| Ground clearance  | m4  | 0.43 m   |
| Wheelbase   | y   | 2.88 m   |
| Overall length to carriage (with hitch)                           | l11 | 5.40 m   |
| Overall length to carriage (without hitch)                        | l3  | 5.23 m   |
| Front overhang  |     | 1.50 m   |
| Overall width   | b1  | 2.39 m   |
| Overall cab width   | b4  | 0.99 m   |
| Overall height  | h17 | 2.42 m   |
| Tilt-down angle   | a5  | 135 °  |
| Tilt-up angle   | a4  | 12 °   |
| External turning radius (over tyres)                              | Wa1 | 3.74 m   |
| Standard tires  |     | Michelin - XMCL - 460/70 R24 159A8                                   |
| Drive wheels (front / rear)                                       |     | 2 / 2  |
| Steering wheels (front / rear)                                    |     | 2 / 2  |
| Performances  |     |  |
| Lifting   |     | 6.40 s   |
| Lowering  |     | 4.60 s   |
| Extension   |     | 6.10 s   |
| Retraction  |     | 5.20 s   |
| Crowd   |     | 3 s  |
| Dump  |     | 2.20 s   |
| Engine  |     |  |
| Engine brand  |     | Yanmar   |
| Engine norm   |     | Stage V / Tier 4 Final   |
| Engine model  |     | 4TN107FHT-5SMUF  |
| Number of cylinders - Capacity of cylinders                       |     | 4 - 4567 cm³   |
| I.C. Engine power rating / Power                                  |     | 141 Hp / 105 kW  |
| Max. torque / Engine rotation                                     |     | 602 Nm @1500 rpm   |
| Drawbar pull (Laden)  |     | 8727 daN   |
| Reversible fan  |     | Standard   |
| Engine cooling system   |     | 4 radiators (water + intercooler + hydraulic oil + transmission oil) |
| Transmission  |     |  |
| Transmission type   |     | Torque converter with powershift gearbox                             |
| Gearbox   |     | M-Shift  |
| Number of gears (forward / reverse)                               |     | 5 / 3  |
| Max. travel speed (may vary according to applicable regulations)  |     | 40 km/h  |
| Differential lock   |     | Limited slip differential on front and rear axles                    |
| Parking brake   |     | Automatic negative parking brake                                     |
| Service brake   |     | Oil-immersed multi-discs braking on front & rear axles               |
| Hydraulics  |     |  |
| Hydraulic pump type   |     | Variable displacement pump   |
| Hydraulic flow - Pressure   |     | 200 l/min - 270 bar  |
| Flow sharing distributor  |     | Standard   |
| Tank capacities   |     |  |
| Hydraulic oil   |     | 141 l  |
| Fuel tank   |     | 142 l  |
| Diesel Exhaust fluid (AdBlue® type)                               |     | 21.50 l  |
| Noise and vibration   |     |  |
| Noise at driving position (LpA) tested following NF EN 12053 norm |     | 69 dB  |
| Noise to environment (LwA)  |     | 105 dB   |
| Vibration to whole hand/arm                                       |     | < 2.50 m/s²  |
| Miscellaneous   |     |  |
| Tractor homologation  |     | Tractor homologation   |
| Safety cab homologation   |     | ROPS - FOPS level 2 cab  |
| Controls  |     | JSM  |

# Optional tires tab

| Optional tires                           | Overall height | Overall width |
|--|----------------|---------------|
| ALLIANCE - A580 - 460/70 R24 159A8       | 2.53 m         | 2.38 m        |
| ALLIANCE - A585 - 460/70 R24 159A8       | 2.53 m         | 2.39 m        |
| MICHELIN - BIBLOAD - 460/70 R24 159A8    | 2.52 m         | 2.39 m        |
| MICHELIN - BIBLOAD - 500/70 R24 164A8    | 2.54 m         | 2.42 m        |
| MICHELIN - XMCL - 460/70 R24 159A8       | 2.53 m         | 2.39 m        |
| MICHELIN - XMCL - 500/70 R24 164A8       | 2.55 m         | 2.43 m        |
| TRELLEBORG - TH400 - 460/70 R24 159A8    | 2.52 m         | 2.39 m        |
| TRELLEBORG - TH400 - 500/70 R24 164A8    | 2.55 m         | 2.42 m        |
| TRELLEBORG - TH500 - 460/70 R24 159A8    | 2.53 m         | 2.41 m        |
| VREDESTEIN - ENDURION - 460/70 R24 159A8 | 2.54 m         | 2.40 m        |
| VREDESTEIN - ENDURION - 500/70 R24 164A8 | 2.56 m         | 2.44 m        |

## MLT 841-145 PS+ - Dimensional drawing





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