

Technical sheet :

# **MLT 841-145 PS+**

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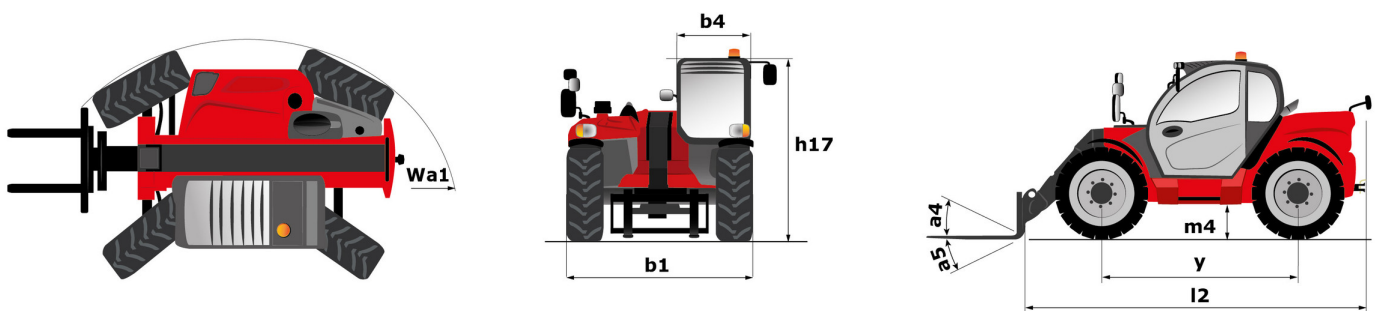
 **MANITOU**  
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| Capacities   |     | Metric   |
|--|-----|--|
| Max. capacity  | Q   | 4100 kg  |
| Max. lifting height  | h3  | 7.60 m   |
| Max. outreach  |     | 4.45 m   |
| Reach at max. height   |     | 0.90 m   |
| Breakout force with bucket                                       |     | 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 nom   |     | 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 tank capacity  |     | 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 nom |     | 69 dB  |
| Noise to environment (LwA)                                       |     | 105 dB   |
| Vibration on hands/arms  |     | < 2.50 m/s²  |
| Miscellaneous  |     |  |
| Tractor homologation   |     | Tractor homologation   |
| Safety cab homologation  |     | Cabin ROPS - FOPS level 2  |
| Controls   |     | JSM  |

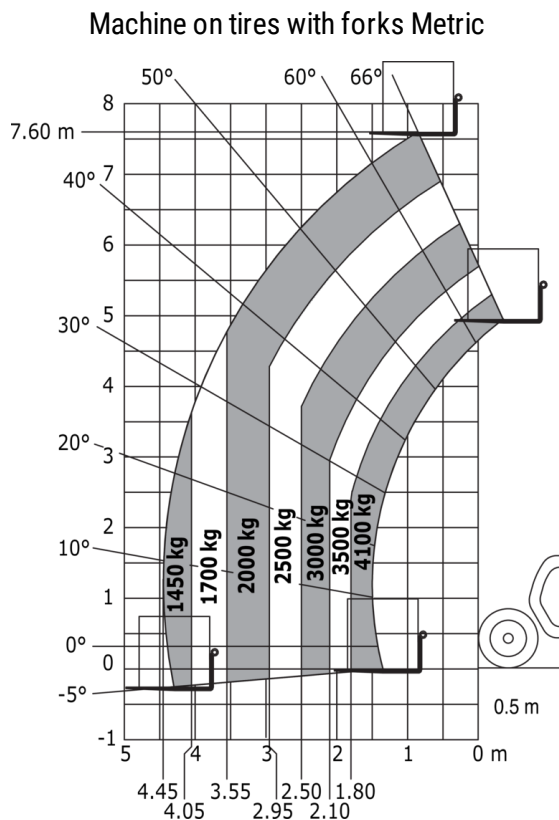
## Optional tires tab

|  | 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



## MLT 841-145 PS+ - Load chart





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