Technical sheet :

# **MLT 742-140 V+ (S1)**





#### MLT 742-140 V+ (S1) Created on August 31, 2025 at 7:57 PM UTC

|   | MLT 742-140 V+ (S1) Greated on August 31, 2025 at 7.57 PM  |
|---|--|
| Capacities  | Metric   |
| Max. capacity   | Q 4200 kg  |
| Max. lifting height   | h3 6.91 m  |
| Maximum outreach  | 3.96 m   |
| leach at max. height  | 1 m  |
| Breakout force with bucket  | 5748 daN   |
| Veight and dimensions   |  |
| Jnladen weight (with forks)                                       | 7950 kg  |
| Ground clearance  | m4 0.42 m  |
| Vheelbase   | y 2.81 m   |
| Dverall length to carriage (with hitch)                           | l11 5.02 m   |
| Front overhang  | 1.26 m   |
| Dverall width   | b1 2.39 m  |
|   |  |
| Dverall cab width   | b4 0.95 m  |
| Overall height  | h17 2.38 m   |
| Tilt-down angle   | a5 133 °   |
| Filt-up angle   | a4 14 °  |
| External turning radius (over tyres)                              | Wa1 3.93 m   |
| Standard tires  | Alliance - A580 - 460/70 R24 159A8   |
| Orive wheels (front / rear)                                       | 2/2  |
| Steering wheels (front / rear)                                    | 2/2  |
| Performances  |  |
| ifting  | 8.10 s   |
| owering   | 8.50 s   |
| Extension   | 6.90 s   |
| Retraction  | 6 s  |
| Crowd   | 3.80 s   |
| Dump  | 3.30 s   |
|   | 5.50 \$  |
| Engine  |  |
| Engine brand  | Deutz  |
| Engine norm   | Stage V  |
| Engine model  | TCD 3.6 L4   |
| Number of cylinders - Capacity of cylinders                       | 4 - 3621 cm³   |
| .C. Engine power rating / Power                                   | 136 Hp / 100 kW  |
| Max. torque / Engine rotation                                     | 500 Nm @1600 rpm   |
| Drawbar pull (Laden)  | 6450 daN   |
| Reversible fan  | Standard   |
| Engine cooling system   | Engine cooling system - 4 radiators (water +<br>intercooler + hydraulic oil + hydraulic oil for<br>transmission) |
| HVO validated (according to EN 15940 standard)                    | Yes  |
| Transmission  |  |
| Transmission type   | M-Vario Plus   |
|   |  |
| Max. travel speed (may vary according to applicable regulations)  | 40 km/h  |
| Differential lock   | Limited slip differential on front axle  |
| Parking brake   | Automatic negative parking brake   |
| Service brake   | Oil-immersed multi-discs braking on front & re<br>axles  |
| -lydraulics   |  |
| Hydraulic pump type   | Variable displacement pump   |
|   | 170 l/min - 270 bar  |
| Hydraulic flow - Pressure   |  |
| Flow sharing distributor  | Standard   |
| Fank capacities   |  |
| Hydraulic tank capacity   | 1351   |
| Fuel tank   | 120 I  |
| Diesel Exhaust fluid (AdBlue® type)<br>Noise and vibration        | 101  |
| Noise at driving position (LpA) tested following NF EN 12053 norm | 72 dB  |
| Vibration on hands/arms   | 2.50 m/s <sup>2</sup>  |
|   | < 2.50 m/S <sup>4</sup>  |
| Miscellaneous   |  |
| Tractor homologation  | Tractor homologation   |
| Cab certification   | Cabin ROPS - FOPS level 2  |
| Controls  | JSM  |

## Optional tires tab

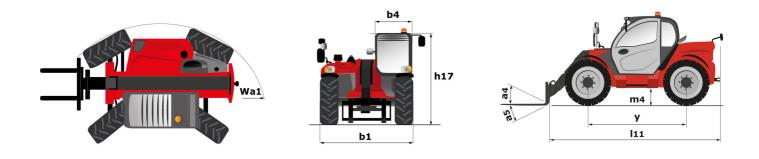
|  | Overall height | Overall width |
|--|----------------|---------------|
| ALLIANCE - A585 - 460/70 R24 159A8       | 2.37 m         | 2.40 m        |
| NOKIAN - TRI STEEL - 460/65 R24 156A8    | 2.36 m         | 2.40 m        |
| MICHELIN - XMCL - 500/70 R24 164A8       | 2.39 m         | 2.43 m        |
| MICHELIN - BIBLOAD - 460/70 R24 159A8    | 2.37 m         | 2.40 m        |
| MICHELIN - BIBLOAD - 500/70 R24 164A8    | 2.39 m         | 2.43 m        |
| MICHELIN - XHA - 15.5 R25 158A2          | 2.37 m         | 2.40 m        |
| MICHELIN - XMCL - 460/70 R24 159A8       | 2.37 m         | 2.40 m        |
| TRELLEBORG - TH400 - 460/70 R24 159A8    | 2.37 m         | 2.40 m        |
| TRELLEBORG - TH400 - 500/70 R24 164A8    | 2.39 m         | 2.42 m        |
| TRELLEBORG - TH500 - 460/70 R24 159A8    | 2.37 m         | 2.40 m        |
| VREDESTEIN - ENDURION - 460/70 R24 159A8 | 2.38 m         | 2.41 m        |
| VREDESTEIN - ENDURION - 500/70 R24 164A8 | 2.41 m         | 2.44 m        |
|  |                |               |

### **Options / Finishing**

S : Standard / O : Optional / - : Not available

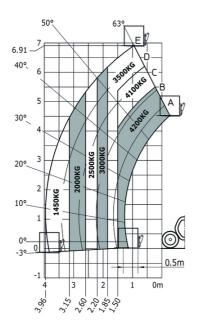
|   | Classic | Premium | Elite | Platinum |
|---|---------|---------|-------|----------|
| Lifting function  |         |         |       |          |
| Attachment hydraulic locking                                    | 0       | 0       | 0     | S        |
| Intelligent hydraulics  | 0       | 0       | S     | S        |
| Regenerative Hydraulics   | 0       | S       | S     | S        |
| Operator station  |         |         |       |          |
| Air suspension fabric seat - GRAMMER                            | 0       | S       | -     | -        |
| Automatic air conditioning                                      | 0       | S       | S     | S        |
| Automatic wheel alignment                                       | 0       | 0       | S     | S        |
| Bluetooth USB radio - With extra microphone - 100W              | 0       | 0       | S     | S        |
| Bluetooth USB radio - With integrated microphone - 100W         | 0       | S       | -     |          |
| Boom suspension - "Active CRC"                                  | 0       | 0       | S     | S        |
| Exterior right electric rear-view mirror with de-icing          | 0       | 0       | S     | S        |
| Extra front wiper   | 0       | S       | S     | S        |
| HighView camera on boom head (telescopic part)                  | 0       | 0       | 0     | S        |
| Lateral wiper   | S       | S       | S     | S        |
| Low frequency air suspension fabric seat - GRAMMER              | 0       | 0       | S     | -        |
| Low frequency air suspension fabric seat with heating - GRAMMER | 0       | 0       | 0     | S        |
| Mechanical suspension fabric seat - GRAMMER                     | S       |         | -     |          |
| SafeView camera pack - Right hand side and rear (x2)            | 0       | 0       | 0     | S        |
| Storage box - On the shelf                                      | 0       | 0       | 0     | S        |
| Tuner car radio - 50W   | S       | -       | -     | -        |
| Vision screen - 7 in.   | S       | S       | S     | S        |
| Motorization/Power  |         |         |       |          |
| Auto reversing fan  | S       | S       | S     | S        |
| Continuous flow hydraulics                                      | 0       | 0       | S     | S        |
| Hand throttle   | S       | S       | S     | S        |
| Secondary functions   |         |         |       |          |
| Automatic greasing system (AGS) - Chassis + boom                | 0       | 0       | 0     | S        |
| Lighting  |         |         |       |          |
| LED+ side work lights (x4)                                      | 0       | 0       | 0     | S        |
| led front road lights   | 0       | 0       | 0     | S        |
| LED work lights - On the top of the boom (fixed part) (x2)      | 0       | 0       | 0     | S        |

#### MLT 742-140 V+ (S1) - Dimensional drawing



MLT 742-140 V+ (S1) - Load chart

Machine on tires with forks Metric





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