

Technical sheet :

MLT 742-140 V+ (S1)



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|-----|--|
| Max. capacity | Q | 4200 kg |
| Max. lifting height | | 6.91 m |
| Maximum outreach | | 3.96 m |
| Reach at max. height | | 1 m |
| Breakout force with bucket | | 5748 daN |
| Weight and dimensions | | |
| Unladen weight (with forks) | | 7950 kg |
| Ground clearance | m4 | 0.42 m |
| Wheelbase | y | 2.81 m |
| Overall length to carriage (with hitch) | l11 | 5.02 m |
| Front overhang | | 1.26 m |
| Overall width | b1 | 2.39 m |
| Overall cab width | b4 | 0.95 m |
| Overall height | h17 | 2.38 m |
| Tilt-down angle | a5 | 133 ° |
| Tilt-up angle | a4 | 14 ° |
| External turning radius (over tyres) | Wa1 | 3.93 m |
| Standard tires | | Alliance - A580 - 460/70 R24 159A8 |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering mode | | Manicrab, 2 wheel steer, 4 wheel steer, Crab mode |
| Performances | | |
| Lifting | | 8.10 s |
| Lowering | | 8.50 s |
| Extension | | 6.90 s |
| Retraction | | 6 s |
| Crowd | | 3.80 s |
| Dump | | 3.30 s |
| Engine | | |
| Engine brand | | Deutz |
| Engine norm | | Stage V |
| Engine model | | TCD 3.6 L4 |
| Number of cylinders - Capacity of cylinders | | 4 - 3621 cm ³ |
| Engine power (Hp / kW) | | 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 + intercooler + hydraulic oil + hydraulic oil for 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 & rear axles |
| Hydraulics | | |
| Hydraulic pump type | | Variable displacement pump |
| Hydraulic flow - Pressure | | 170 l/min - 270 bar |
| Flow sharing distributor | | Standard |
| Tank capacities | | |
| Hydraulic tank capacity | | 135 l |
| Fuel | | 120 l |
| Diesel Exhaust fluid (AdBlue® type) | | 10 l |
| Noise and vibration | | |
| Noise at driving position (LpA) tested following NF EN 12053 nom | | 72 dB |
| Vibration on hands/arms | | < 2.50 m/s ² |
| 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

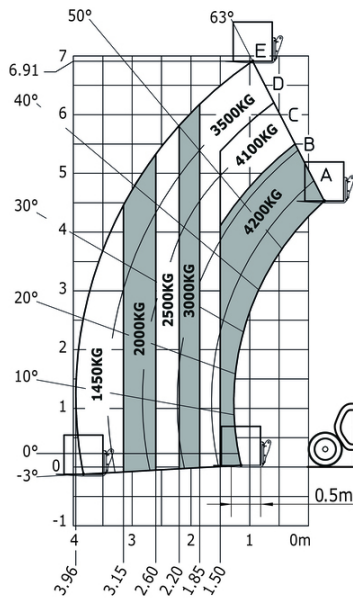
| | Classic | Premium | Elite | Platinum |
|---|---------|---------|-------|----------|
| Lifting function | | | | |
| Attachment hydraulic locking | O | O | O | S |
| Intelligent hydraulics | O | O | S | S |
| Regenerative Hydraulics | O | S | S | S |
| Operator station | | | | |
| Additional front wiper - Without washer | O | S | S | S |
| Air suspension fabric seat - GRAMMER | O | S | - | - |
| Automatic wheel alignment | O | O | S | S |
| Bluetooth USB radio - With extra microphone - 100W | O | O | S | S |
| Bluetooth USB radio - With integrated microphone - 100W | O | S | - | - |
| Boom suspension "Active CRC" | O | O | S | S |
| Exterior right electric rear-view mirror with defroster | O | O | S | S |
| Heater and automatic air conditioning | O | S | S | S |
| HighView camera on boom head (telescopic part) | O | O | O | S |
| Lateral wiper | S | S | S | S |
| Low frequency air suspension fabric seat - GRAMMER | O | O | S | - |
| Low frequency air suspension heated fabric seat - GRAMMER | O | O | O | S |
| Mechanical suspension fabric seat - GRAMMER | S | - | - | - |
| Right hand side and rear SafeView cameras | O | O | O | S |
| Storage box - On the shelf | O | O | O | 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 | O | O | S | S |
| Hand throttle | S | S | S | S |
| Secondary functions | | | | |
| Automatic greasing system (AGS) - Chassis + boom | O | O | O | S |
| Lighting | | | | |
| LED front road lights | O | O | O | S |
| LED side work lights | O | O | O | S |
| LED work lights - On boom head (Telescopic part) | O | O | O | 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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