

Technical sheet :

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

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| 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 <sup>3</sup>   |
| 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 <sup>2</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 |
|---|---------|---------|-------|----------|
| <b>Lifting function</b>                                   |         |         |       |          |
| Attachment hydraulic locking                              | O       | O       | O     | S        |
| Intelligent hydraulics                                    | O       | O       | S     | S        |
| Regenerative Hydraulics                                   | O       | S       | S     | S        |
| <b>Operator station</b>                                   |         |         |       |          |
| 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        |
| <b>Motorization/Power</b>                                 |         |         |       |          |
| Auto reversing fan  | S       | S       | S     | S        |
| Continuous flow hydraulics                                | O       | O       | S     | S        |
| Hand throttle   | S       | S       | S     | S        |
| <b>Secondary functions</b>                                |         |         |       |          |
| Automatic greasing system (AGS) - Chassis + boom          | O       | O       | O     | S        |
| <b>Lighting</b>   |         |         |       |          |
| 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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