

Technical sheet :

MLT 937-115 (S1)



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|-----|--|
| Max. capacity | Q | 3700 kg |
| Max. lifting height | h3 | 9.10 m |
| Maximum outreach | | 6.55 m |
| Reach at max. height | | 2.20 m |
| Breakout force with bucket | | 4472 daN |
| Weight and dimensions | | |
| Unladen weight (with forks) | | 8235 kg |
| Ground clearance | m4 | 0.44 m |
| Wheelbase | y | 2.81 m |
| Overall length to carriage (with hitch) | l11 | 5.12 m |
| Front overhang | | 1.36 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 wheels (front / rear) | | 2 / 2 |
| Performances | | |
| Lifting | | 7.75 s |
| Lowering | | 7.43 s |
| Extension | | 10.91 s |
| Retraction | | 9.63 s |
| Crowd | | 3.68 s |
| Dump | | 3.12 s |
| Engine | | |
| Engine brand | | Deutz |
| Engine norm | | Stage V |
| Engine model | | TCD 3.6 L4 |
| Number of cylinders - Capacity of cylinders | | 4 - 3621 cm³ |
| I.C. Engine power rating / Power | | 116 Hp / 85 kW |
| Max. torque / Engine rotation | | 460 Nm @1600 rpm |
| Drawbar pull (Laden) | | 8400 daN |
| Reversible fan | | Option |
| Engine cooling system | | 4 radiators (water + intercooler + hydraulic oil + transmission oil) |
| HVO validated (according to EN 15940 standard) | | Yes |
| Transmission | | |
| Transmission type | | Torque converter |
| Gearbox | | Powershuttle |
| Number of gears (forward / reverse) | | 4 / 4 |
| Max. travel speed (may vary according to applicable regulations) | | 33 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 | | 150 l/min - 270 bar |
| Flow sharing distributor | | Standard |
| Tank capacities | | |
| Hydraulic tank capacity | | 135 l |
| Fuel tank | | 120 l |
| Diesel Exhaust fluid (AdBlue® type) | | 10 l |
| Noise and vibration | | |
| Noise at driving position (LpA) tested following NF EN 12053 norm | | 75 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Miscellaneous | | |
| Tractor homologation | | Tractor homologation |
| Cab certification | | Cabin ROPS - FOPS level 2 |
| Controls | | JSM |

Optional tires tab

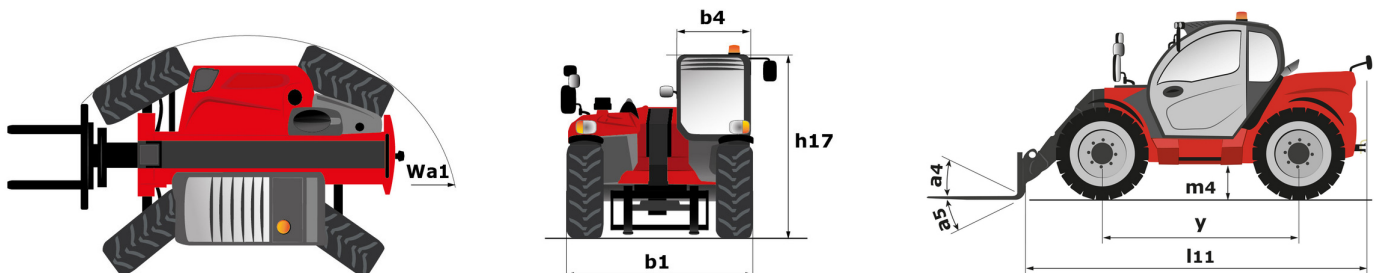
| | Overall height | Overall width |
|--|----------------|---------------|
| TRELLEBORG - TH400 - 460/70 R24 159A8 | 2.37 m | 2.40 m |
| TRELLEBORG - TH400 - 500/70 R24 164A8 | 2.39 m | 2.42 m |
| MICHELIN - XMCL - 500/70 R24 164A8 | 2.39 m | 2.43 m |
| MICHELIN - BIBLOAD - 460/70 R24 159A8 | 2.37 m | 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 |
| NOKIAN - TRI STEEL - 460/65 R24 156A8 | 2.36 m | 2.40 m |
| MICHELIN - XMCL - 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 |
| TRELLEBORG - TH500 - 460/70 R24 159A8 | 2.37 m | 2.40 m |
| ALLIANCE - A585 - 460/70 R24 159A8 | 2.37 m | 2.40 m |

Options / Finishing

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

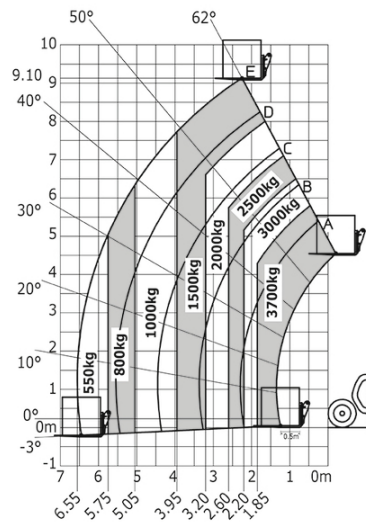
| | Classic | Premium |
|---|---------|---------|
| Lifting function | | |
| Attachment hydraulic locking | O | O |
| Operator station | | |
| Air suspension fabric seat - GRAMMER | O | S |
| Automatic air conditioning | O | S |
| Bluetooth USB radio - With extra microphone - 100W | O | O |
| Bluetooth USB radio - With integrated microphone - 100W | O | S |
| Boom suspension - "Active CRC" | O | O |
| Extra front wiper | O | S |
| Harmony screen - 5 in. | S | S |
| Lateral wiper | O | O |
| Low frequency air suspension fabric seat - GRAMMER | O | O |
| Low frequency air suspension fabric seat with heating - GRAMMER | O | O |
| Mechanical suspension fabric seat - GRAMMER | S | - |
| Storage box - On the shelf | O | O |
| Tuner car radio - 50W | S | - |
| Motorization/Power | | |
| Auto reversing fan | O | O |
| Continuous flow hydraulics | O | O |
| Secondary functions | | |
| Automatic greasing system (AGS) - Chassis + boom | O | O |
| Lighting | | |
| Ied front road lights | O | O |
| LED work lights - On the top of the boom (fixed part) (x2) | O | O |

MLT 937-115 (S1) - Dimensional drawing



MLT 937-115 (S1) - Load chart

Machine on tires with forks Metric





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