

Technical sheet :

MLT 850-145 V+



| Capacities | | Metric |
|---|-----|--|
| Max. capacity | Q | 4998.58 kg |
| Max. lifting height | | 7.55 m |
| Maximum outreach | | 4.60 m |
| Reach at max. height | | 0.90 m |
| Breakout force with bucket | | 8670 daN |
| Weight and dimensions | | |
| Unladen weight (with forks) | | 10780 kg |
| Ground clearance | m4 | 0.45 m |
| Wheelbase | y | 2.94 m |
| Overall length to carriage (with hitch) | l11 | 5.57 m |
| Overall length to carriage (without hitch) | l3 | 5.54 m |
| Front overhang | | 1.55 m |
| Overall width | b1 | 2.49 m |
| Overall cab width | b4 | 0.99 m |
| Overall height | h17 | 2.58 m |
| Tilt-down angle | a5 | 132 ° |
| Tilt-up angle | a4 | 12 ° |
| External turning radius (over tyres) | Wa1 | 4.04 m |
| Standard tires | | Alliance - A580 - 500/70 R24 164A8 |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering mode | | Manicrab, 2 wheel steer, 4 wheel steer, Crab mode |
| Performances | | |
| Lifting | | 6.60 s |
| Lowering | | 4.90 s |
| Extension | | 6.30 s |
| Retraction | | 5.70 s |
| Crowd | | 4.20 s |
| Dump | | 3.10 s |
| Engine | | |
| Engine brand | | Yanmar |
| Engine nom | | Stage V / Tier 4 Final |
| Max. fuel sulphur content | | 1000 ppm |
| Engine model | | 4TN107FHT-5SMUF |
| Number of cylinders - Capacity of cylinders | | 4 - 4567 cm³ |
| Engine power (Hp / kW) | | 141 Hp / 105 kW |
| Max. torque / Engine rotation | | 602 Nm @1500 rpm |
| Drawbar pull (Laden) | | 9160 daN |
| Reversible fan | | Standard |
| Engine cooling system | | 3 radiators water + intercooler + transmission oil |
| Transmission | | |
| Transmission type | | Continuously variable transmission |
| Gearbox | | M-Vario Plus |
| 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 | | 142 l |
| Diesel Exhaust fluid (AdBlue® type) | | 21.50 l |
| Energy consumption according to EN 16796-4 standard | | 6.47 l/h |
| Noise and vibration | | |
| Noise at driving position (LpA) tested following NF EN 12053 norm | | 69 dB |
| Noise to environment (LwA) | | 105 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 |
|--|----------------|---------------|
| ALLIANCE - A585 - 500/70 R24 164A8 | - | - |
| MICHELIN - BIBLOAD - 500/70 R24 164A8 | - | - |
| MICHELIN - XHA - 17.5 R25 | - | - |
| MICHELIN - XMCL - 500/70 R24 164A8 | - | - |
| NOKIAN - TRI STEEL - 500/70 R24 164A8 | - | - |
| SOLIDEAL - SOLIDAIR TLH - 14.00 R24 | - | - |
| TRELLEBORG - TH400 - 500/70 R24 164A8 | - | - |
| VREDESTEIN - ENDURION - 500/70 R24 164A8 | - | - |
| VREDESTEIN - TRAXION - 500/70 R24 164A8 | - | - |

Options / Finishing

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

| | Premium | Platinum |
|---|---------|----------|
| Lifting function | | |
| Intelligent hydraulics | - | S |
| Regenerative Hydraulics | - | S |
| Operator station | | |
| Adaptive air suspension seat | - | S |
| Cameras on boom head (Telescopic part) and right hand side - With additional cab screen | - | S |
| Comfort Steering System | - | S |
| Motorization/Power | | |
| Ecostop | - | S |
| Stop and Start | S | S |
| Secondary functions | | |
| Automatic greasing system (AGS) - Chassis + boom | - | S |

MLT 850-145 V+ - Dimensional drawing

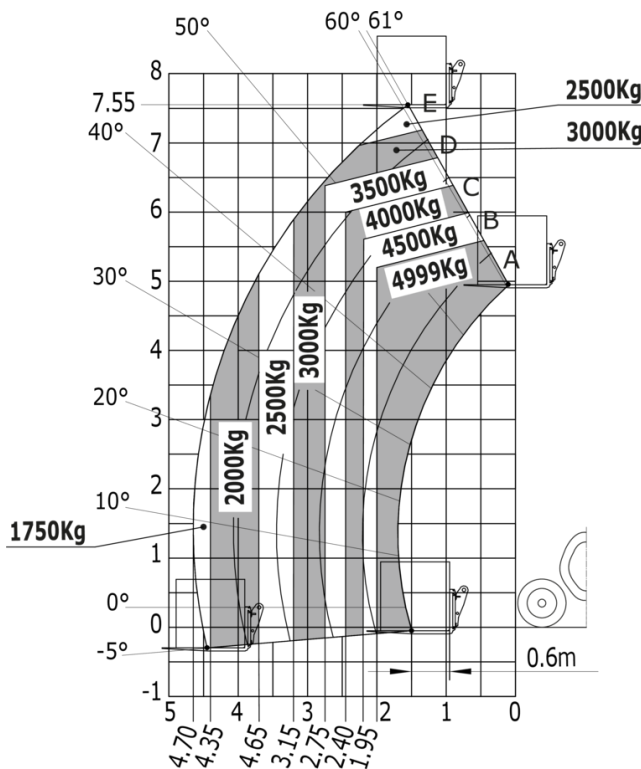


MLT 850-145 V+ - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric





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