Technical sheet:

# MLT 850-145 V+





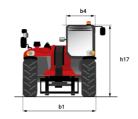
	<b>MLT 850-145 V+</b> Created on April 30, 2024 at 8:19:34 AN
Capacities	Metric
Max. capacity	Q 4999 kg
Max. lifting height	h3 7.60 m
Max. outreach	4.55 m
Reach at max. height	0.90 m
Breakout force with bucket	8670 daN
Weight and dimensions	
Unladen weight (with forks)	10780 kg
Ground clearance	m4 0.45 m
Wheelbase	y 2.94 m
Overall length to carriage (with hitch)	l11 5.57 m
Overall length to carriage (without hitch)	13 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 wheels (front / rear)	2/2
Performances	2/2
	6.60 a
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 norm	Stage V / Tier 4 Final
Max. fuel sulphur content	1000 ppm
Engine model	4TN107FHT-5SMUF
Number of cylinders - Capacity of cylinders	4 - 4567 cm³
I.C. Engine power rating / Power	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
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 ax
Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs braking on front &
Hydraulics	axles
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	variable displacement pump 200 l/min - 270 bar
	Standard
Flow sharing distributor	Stanuaru
Tank capacities	141
Hydraulic oil	
Fuel tank	142
Diesel Exhaust fluid (AdBlue® type)	21.50
Consumption calculated 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 to whole hand/arm	< 2.50 m/s²
Miscellaneous	
Tractor homologation	Tractor homologation
Safety cab homologation	ROPS - FOPS level 2 cab
Controls	JSM

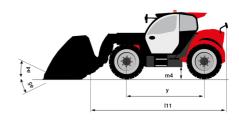
## Optional tires tab

Optional tires	
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	

### MLT 850-145 V+ - Dimensional drawing

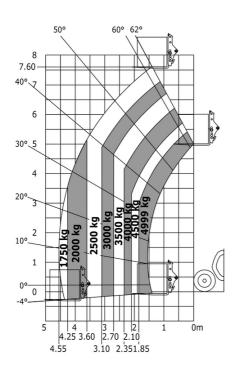






#### MLT 850-145 V+ - Load chart

#### Machine on tyres with forks Metric







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