Technical sheet:

# MLT 850-145 V+





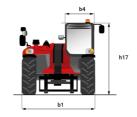
	<b>MLT 850-145 V+</b> Created on May 2, 2024 at 12:20:1	16 AM UT
Capacities	Metric	
Max. capacity	Q 4999 kg	
Max. lifting height	h3 7.60 m	
Max. outreach	4.55 m	
Reach at max. height	0.90 m	
Breakout force with bucket	8670 daN	
Weight and dimensions		
Unladen weight (with forks)	10780 kg	
Ground clearance	m4 0.45 m	
Wheelbase	y 2.94 m	
Overall length to carriage (with hitch)	I11 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 16	110
Drive wheels (front / rear)	2/2	440
	2/2	
Steering wheels (front / rear) Performances	2/2	
	6.60 -	
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 + transn	nission oil
Transmission		
Transmission type	Continuously variable transmiss	sion
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 bra	ıke
Service brake	Oil-immersed multi-discs braking on f	ront & rear
Hydraulics	axles	
Hydraulic pump type	Variable displacement pump	`
Hydraulic flow - Pressure	200 l/min - 270 bar	,
Flow sharing distributor	Standard	
Tank capacities	444.1	
Hydraulic oil	141	
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	

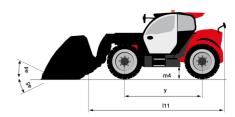
## Optional tires tab

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

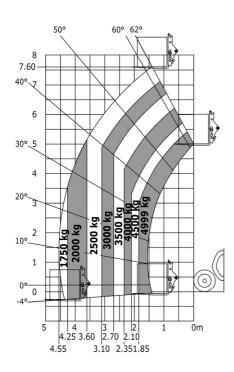






#### MLT 850-145 V+ - Load chart

#### Machine on tyres with forks Metric







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