Technical sheet:

MLT 850-145 V+





	MLT 850-145 V+ Created on October 2	6, 2025 at 2:43 AM U	
Capacities		Metric	
Max. capacity	Q 49	98.58 kg	
Max. lifting height	h3	7.60 m	
Maximum outreach		4.55 m	
Reach at max. height		0.90 m	
Breakout force with bucket	80	670 daN	
Weight and dimensions			
Unladen weight (with forks)	11	0780 kg	
Ground clearance	m4	0.45 m	
Wheelbase	у	2.94 m	
Overall length to carriage (with hitch)		5.57 m	
Overall length to carriage (without hitch)		5.54 m	
Front overhang		1.55 m	
Overall width		2.49 m	
Overall cab width		0.99 m	
Overall height		2.58 m	
Tilt-down angle		132 °	
Tilt-up angle	a4	12 °	
External turning radius (over tyres)		4.04 m	
Standard tires		0 - 500/70 R24 164A8	
Drive wheels (front / rear)	Alliance - Asoc	2/2	
Steering wheels (front / rear)		2/2	
Performances		212	
		6.60.0	
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		/ / Tier 4 Final	
Max. fuel sulphur content		000 ppm	
Engine model		7FHT-5SMUF	
Number of cylinders - Capacity of cylinders		4567 cm ³	
Engine power (Hp / kW)	141 F	lp / 105 kW	
Max. torque / Engine rotation	602 Nr	m @1500 rpm	
Drawbar pull (Laden)	9:	160 daN	
Reversible fan	S	tandard	
Engine cooling system	3 radiators water + in	tercooler + transmission oil	
Transmission			
Transmission type	Continuously v	ariable transmission	
Gearbox	M-V	Vario Plus	
Max. travel speed (may vary according to applicable regulations)	4	0 km/h	
Differential lock	Limited slip differen	tial on front and rear axles	
Parking brake	Automatic ne	gative parking brake	
Service brake		iscs braking on front & rear	
Hydraulics		axles	
Hydraulic pump type	Variable dis	splacement pump	
Hydraulic flow - Pressure		min - 270 bar	
Flow sharing distributor		tandard	
Tank capacities	3	undalu	
Hydraulic tank capacity		141 l	
Fuel tank		142	
Diesel Exhaust fluid (AdBlue® type)		21.50 l	
Consumption calculated according to EN 16796-4 standard		5.47 l/h	
Noise and vibration		60 ID	
Noise at driving position (LpA) tested following NF EN 12053 norm		69 dB	
Noise to environment (LwA)		105 dB	
Vibration on hands/arms	< 2	2.50 m/s ²	
Miscellaneous			
Tractor homologation		homologation	
Cab certification	Cabin ROF	PS - 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

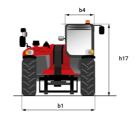
Lifting function	
Intelligent hydraulics	
Regenerative Hydraulics	
Operator station	
Adaptive air supension seat	
Comfort Steering System	
HighView camera on boom head (telescopic part)	
Motorization/Power	
Ecostop	
Stop & Start	
Secondary functions	
Automatic greasing system (AGS) - Chassis + boom	

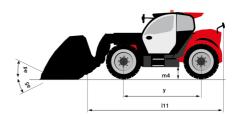
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MLT 850-145 V+ - Dimensional drawing

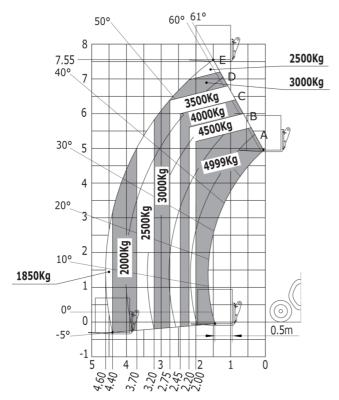






MLT 850-145 V+ - Load chart

Machine on tires with forks Metric







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