Technical sheet:

MLT 850-145 V+





	MLT 850-145 V+ Created on N	ovember 8, 2025 at 5:01 PM 010
Capacities		Imperial
Max. capacity	Q	11020 lb
Max. lifting height	h3	24 ft 11 in
Maximum outreach		14 ft 11 in
Reach at max. height		2 ft 11 in
Breakout force with bucket		8670 daN
Weight and dimensions		
Unladen weight (with forks)		23766 lb
Ground clearance	m4	1 ft 6 in
Wheelbase	у	9 ft 8 in
Overall length to carriage (with hitch)	l11	18 ft 3 in
Overall length to carriage (without hitch)	13	18 ft 2 in
Front overhang		5 ft 1 in
Overall width	b1	8 ft 2 in
Overall cab width	b4	3 ft 3 in
Overall height	h17	8 ft 6 in
Tilt-down angle	a5	132 °
Tilt-up angle	a4	12 °
External turning radius (over tyres)	Wa1	13 ft 3 in
Standard tires		liance - A580 - 500/70 R24 164A8
Drive wheels (front / rear)	N.	2/2
Steering mode	Manicrah	, 2 wheel steer, 4 wheel steer, Crab mode
Performances	Mainclab	, 2 wheel steel, 4 wheel steel, Glab mode
Lifting		6.60 s
		4.90 s
Lowering		
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 - 279 in³
Engine power (Hp / kW)		141 Hp / 105 kW
Max. torque / Engine rotation		444 ft/lbs @1500 rpm
Drawbar pull (Laden)		9160 daN
Reversible fan		Standard
Engine cooling system	3 radiate	ors water + intercooler + transmission oil
Transmission		
Transmission type	С	ontinuously variable transmission
Gearbox		M-Vario Plus
Max. travel speed (may vary according to applicable regulations)		25 mph
Differential lock	Limited	slip differential on front and rear axles
Parking brake	,	Automatic negative parking brake
Service brake	Oil-imm	ersed multi-discs braking on front & rear
Hydraulics		axles
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		53 US gpm - 3916 PSI
		Standard
Flow sharing distributor Tank capacities		Stantidiu
		27.110
Hydraulic tank capacity		37 US gal
Fuel		38 US gal
Diesel Exhaust fluid (AdBlue® type)		6 US gal
Consumption calculated according to EN 16796-4 standard		2 US gph
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		< 8 ft/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

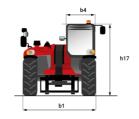
Lifting function	
Intelligent hydraulics	
Regenerative Hydraulics	
Operator station	
Adaptive air supension seat	
Comfort Steering System	
HighView camera on boom head (telescopic part)	
Motorization/Power	
Ecostop	
Stop & Start	
Secondary functions	
Automatic greasing system (AGS) - Chassis + boom	

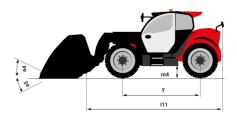
Premium
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Platinum
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MLT 850-145 V+ - Dimensional drawing

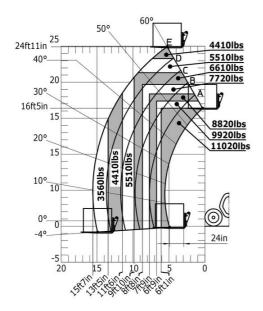






MLT 850-145 V+ - Load chart

Machine on tires with forks Imperial







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