Technical sheet:

MLT 850-145 V+





	MLT 850-145 V+ Greated off November 6, 2025 at 5.02 PM
Capacities	Metric
Max. capacity	Q 4998.58 kg
Max. lifting height	h3 7.60 m
Maximum outreach	4.55 m
Reach at max. height	0.90 m
Breakout force with bucket	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 m
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 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
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
Transmission	
Transmission type	Continuously variable transmission
Gearbox	M-Vario Plus
	40 km/h
Max. travel speed (may vary according to applicable regulations)	Limited slip differential on front and rear axl
Differential lock	·
Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs braking on front & n axles
Hydraulics	
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	200 I/min - 270 bar
Flow sharing distributor	Standard
Tank capacities	Stanuaru
	141
Hydraulic tank capacity	
Fuel	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 on hands/arms	< 2.50 m/s ²
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

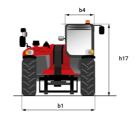
lifting function
ntelligent hydraulics
Regenerative Hydraulics
Operator station
Adaptive air supension seat
Comfort Steering System
HighView camera on boom head (telescopic part)
Motorization/Power
Ecostop
Stop & Start
Secondary functions
Automatic greasing system (AGS) - Chassis + boom

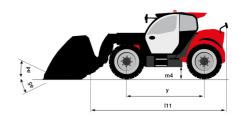
Premium
-
-
-
-
-
•
s

Platinum	
S	
S	
S	
S	
S	
S	
S	
S	

MLT 850-145 V+ - Dimensional drawing

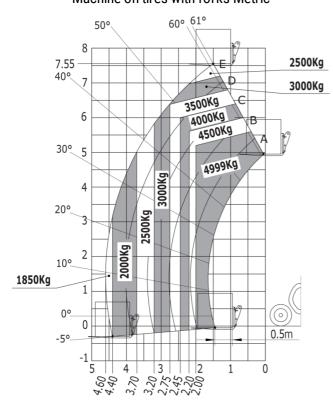




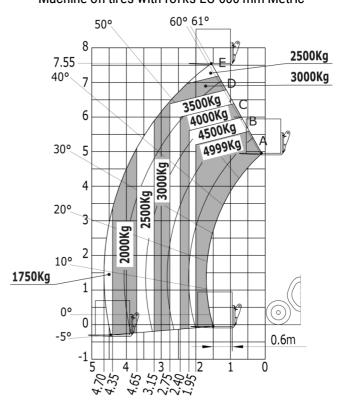


MLT 850-145 V+ - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric







Head Office

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes