Technical sheet :

MLT 850-145 V+





MLT 850-145 V+ Created on September 9, 2025 at 8:12 PM UTC

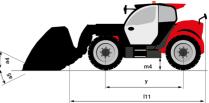
	MLT 850-145 V+ Created on September 9, 2025 a	at 8:12 PM U
Capacities	Metric	
Max. capacity	Q 4998.58 kg	
Max. lifting height	h3 7.60 m	
Maximum outreach	4.55 m	
Reach at max. height	0.90 m	
Breakout force with bucket	8670 daN	
Weight and dimensions		
Unladen weight (with forks)	10780 kg	
Ground clearance	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 l	D24 1644 9
	2/2	124 10440
Drive wheels (front / rear)		
Steering wheels (front / rear)	2/2	
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 Fi	nal
Max. fuel sulphur content	1000 ppm	
Engine model	4TN107FHT-5SML	JF
Number of cylinders - Capacity of cylinders	4 - 4567 cm³	
I.C. Engine power rating / Power	141 Hp / 105 kV	V
Max. torque / Engine rotation	602 Nm @1500 гр	m
Drawbar pull (Laden)	9160 daN	
Reversible fan	Standard	
Engine cooling system	3 radiators water + intercooler +	transmission oil
Transmission		
Transmission type	Continuously variable tran	nsmission
Gearbox	M-Vario Plus	
Max. travel speed (may vary according to applicable regulations)	40 km/h	
Differential lock	Limited slip differential on from	it and rear axles
Parking brake	Automatic negative park	ing brake
Carias hadra	Oil-immersed multi-discs brakir	ng on front & rear
Service brake	axles	
Hydraulics		
Hydraulic pump type	Variable displacemen	
Hydraulic flow - Pressure	200 l/min - 270 b	ar
Flow sharing distributor	Standard	
Tank capacities		
Hydraulic tank capacity	141	
Fuel tank	142	
Diesel Exhaust fluid (AdBlue® type)	21.50 l	
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/s²	
Miscellaneous		
		ion
Tractor homologation	Tractor homologat	1011
Tractor homologation Cab certification	Tractor homologat Cabin ROPS - FOPS II	

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		-

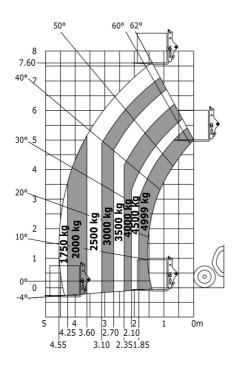
MLT 850-145 V+ - Dimensional drawing





MLT 850-145 V+ - Load chart

Machine on tires with forks 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