Technical sheet:

MLT-X 850-145 V+



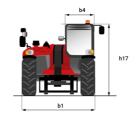
	MLT-X 850-145 V+ Created on July 26, 2025 at 1:08	am ut
Capacities	Metric	
Max. capacity	Q 4999 kg	
Max. lifting height	h3 7.60 m	
Maximum outreach	4.55 m	
Reach at max. height	4.55 m	
Breakout force with bucket	8670 daN	
Weight and dimensions		
Unladen weight (with forks)	10780 kg	
Ground clearance	m4 0.45 m	
Wheelbase	y 2.94 mm	
Overall length to carriage (with hitch)	I11 5.57 m	
Overall length to carriage (without hitch)	13 5.54 m	
Front overhang	1.55 mm	
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°	
	Wa1 4.04 m	
External turning radius (over tyres)		n
Standard tires	Alliance - A580 - 500/70 R24 164A	5
Drive wheels (front / rear)	2/2	
Steering wheels (front / rear)	2/2	
Performances		
Lifting	6.60 s	
Lowering	4.90 s	
Extension	6.30 s	
Retraction	6.30 s	
Crowd	4.20 s	
Dump	3.10 s	
Engine		
Engine brand	Yanmar	
Engine norm	Stage IIIA	
Engine model	4TN107HT-5SMUF	
Number of cylinders - Capacity of cylinders	4 - 4567 cm ³	
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 + transmiss	sion oil
Transmission		
Transmission type	Continuously variable transmission	ı
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 brake	
	Oil-immersed multi-discs braking on fron	t & rear
Service brake	axles	
Hydraulics		
Hydraulic pump type	Variable displacement pump	
Hydraulic flow - Pressure	200 l/min - 270 bar	
Flow sharing distributor	Standard	
Tank capacities		
Hydraulic tank capacity	141	
Fuel tank	142	
Noise and vibration		
Noise to environment (LwA)	105 dB	
Vibration on hands/arms	< 2.50 m/s²	
Miscellaneous		
Tractor homologation	Tractor homologation	
Cab certification	Cabin ROPS - FOPS level 2	
Controls	JSM	
	CON	

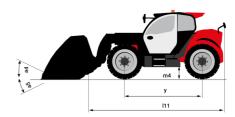
Optional tires tab

	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 - TRAXION - 500/70 R24 164A8		-
VREDESTEIN - ENDURION - 500/70 R24 164A8		-

MLT-X 850-145 V+ - Dimensional drawing

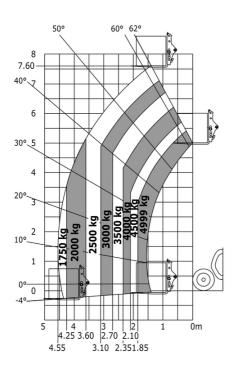






MLT-X 850-145 V+ - Load chart

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