Technical sheet:

## MLT-X 961-145 V+ L





		2501 1-507 E	Created on April 19, 2024 at 1:58:02 AM I
Capacities		Metric	Imperial
Max. capacity	Q	6000 kg	13228 lb
Max. lifting height	h3	9 m	29 ft 6 in
Max. outreach		5.30 m	17 ft 5 in
Reach at max. height		1.10 m	3 ft 7 in
Breakout force with bucket		7300 daN	7300 daN
Weight and dimensions			
Unladen weight (with forks)		11800 kg	26015 lb
Ground clearance	m4	0.45 m	1 ft 6 in
Wheelbase	у	3 m	9 ft 10 in
Overall length to carriage (with hitch)	,  111	6.10 m	20 ft
Front overhang		1.65 m	5 ft 5 in
Overall width	b1	2.48 m	8 ft 2 in
Overall cab width	b4	1 m	3 ft 3 in
Overall height	h17	2.53 m	8 ft 4 in
	a5	2.33 m	138 °
Tilt-down angle	a4	130 12 °	12 °
Tilt-up angle			
External turning radius (over tyres)	Wa1	4.30 m	14 ft 1 in
Standard tires		Alliance - A580 - 500/70 R24 164A8	Alliance - A580 - 500/70 R24 164A8
Drive wheels (front / rear)		2/2	2/2
Steering wheels (front / rear)		2/2	2 / 2
Performances			
Lifting		8.50 s	8.50 s
Lowering		6.50 s	6.50 s
Extension		7 s	7 s
Retraction		6 s	6 s
Crowd		3.80 s	3.80 s
Dump		3.60 s	3.60 s
Engine			
Engine brand		John Deere	John Deere
Engine norm		Stage IIIA	Stage IIIA
Engine model		PWL 4045	PWL 4045
Number of cylinders - Capacity of cylinders		4 - 4500 cm <sup>3</sup>	4 - 275 in³
I.C. Engine power rating / Power		141 Hp / 104 kW	141 Hp / 104 kW
Max. torque / Engine rotation		540 Nm @1600 rpm	398 ft/lbs @1600 rpm
Drawbar pull (Laden)		9300 daN	9300 daN
Reversible fan		Standard	Standard
Engine cooling system		3 radiators water + intercooler + hydraulic oil	3 radiators water + intercooler + hydraulic oil
Transmission			
Transmission type		M-Vario Plus	M-Vario Plus
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 mph
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles	Oil-immersed multi-discs braking on front & rea
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow - Pressure		200 l/min - 270 bar	53 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities		S.aauru	Standard
Hydraulic oil		153 l	40 US gal
Fuel tank		135 I	36 US gal
Noise and vibration		1501	JU US YAI
		72 40	70.40
Noise at driving position (LpA) tested following NF EN 12053 norm		72 dB	72 dB
Noise to environment (LwA)		105 dB	105 dB
Vibration to whole hand/arm		< 2.50 m/s <sup>2</sup>	< 2.50 m/s²
Miscellaneous			
Tractor homologation		Tractor homologation	Tractor homologation
Safety cab homologation Controls		ROPS - FOPS level 2 cab JSM	ROPS - FOPS level 2 cab JSM

## MLT-X 961-145 V+ L - Dimensional drawing







## **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