Technical sheet:

MLT-X 735 T LSU





	MLT-X 735 T LS	Created on 3 May 2024 at 06:49:49 U	
Capacities		Metric	
Max. capacity	Q	3500 kg	
Max. lifting height	h3	6.90 m	
Max. outreach		3.90 m	
Reach at max. height		1 m	
Breakout force with bucket		6825 daN	
Weight and dimensions		0023 daiv	
Unladen weight (with forks)		7075 kg	
Ground clearance	m4	0.44 m	
Wheelbase	у	2.81 m	
	J 111	4.79 m	
Overall length to carriage (with hitch)	13	4.79 m	
Overall length to carriage (without hitch)	13		
Front overhang		1.19 m	
Overall width	b1	2.40 m	
Overall cab width	b4	0.98 m	
Overall height	h17	2.30 m	
Tilt-down angle	a5	134 °	
Tilt-up angle	a4	13 °	
External turning radius (over tyres)	Wa1	3.86 m	
Standard tires		Alliance - A580 - 460/70 R24 159A8	
Drive wheels (front / rear)		2 / 2	
Steering wheels (front / rear)		2 / 2	
Performances			
Lifting		7.30 s	
Lowering		5.60 s	
Extension		8.20 s	
Retraction		6.60 s	
Crowd		3.20 s	
Dump		2.70 s	
Engine			
Engine brand		Perkins	
Engine norm		Stage IIIA	
Max. fuel sulphur content		5000 ppm	
Engine model		1104D-44 TA	
Number of cylinders - Capacity of cylinders		4 - 4400 cm ³	
I.C. Engine power rating / Power		101 Hp / 74.50 kW	
Max. torque / Engine rotation		410 Nm @1400 rpm 8200 daN	
Drawbar pull (Laden)			
Reversible fan		Standard	
Transmission		.	
Transmission type		Torque converter	
Gearbox		Powershuttle	
Number of gears (forward / reverse)		4 / 4	
Max. travel speed (may vary according to applicable regulations)		35 km/h	
Differential lock		Limited slip differential on front axle	
Parking brake		Manual	
Service brake		Oil-immersed multi-discs on front & rear axles	
Hydraulics			
Hydraulic pump type		Variable displacement pump	
Hydraulic flow - Pressure		108 l/min - 270 bar	
Flow sharing distributor		Standard	
Tank capacities			
Hydraulic oil		135 l	
Fuel tank		120 l	
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		76 dB	
Noise to environment (LwA)		104 dB	
Vibration to whole hand/arm		< 2.50 m/s²	
Miscellaneous			
Tractor homologation			
Controls		JSM	
		50	

Optional tires tab

Optional tires	Overall height	Overall width
FIRESTONE - R8000 UT - 460/70 R24 159A8	2.30 m	2.40 m
NOKIAN - TRI STEEL - 460/65 R24 156A8	2.27 m	2.38 m
MICHELIN - XHA - 15 5 R25 158A2	2.28 m	2 38 m

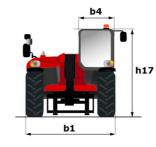
Options / Finishing

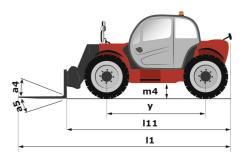
S: Standard / O: Optional / -: Not available

Lifting function O O Boom suspension 0 0 Electric predisposition on the top of the boom 0 0 Electric predisposition on the top of the boom 0 0 Phydraulic functions (on boom head) 0 0 Hydraulic attachment locking 0 0 Return pipe to hydraulic oil tank 0 0 Operator station 0 \$ Air conditioning with manual adjustment 0 \$ Air suspension cloth-covered seat 0 \$ Air suspension cloth-covered seat 0 0 CD MP3 car radio 0 0 Cyclonic air pre-filter \$ \$ Low frequency air suspension cloth seat with heating 0 0 Mechanical cloth-covered seat \$ \$ Low frequency air suspension cloth seat with heating 0 0 Mechanical cloth-covered seat \$ \$ Low frequency air suspension cloth seat with heating 0 0 Moforization/Fower \$ \$ -		Classic	Premium	
Electric predisposition on the top of the boom Electrovalve for 2 hydraulic functions (on boom head) O O O O O O O O O O O O O O O O O O O	Lifting function			
Electrovalve for 2 hydraulic functions (on boom head) Hydraulic attachment locking Return pipe to hydraulic oil tank O O O Return pipe to hydraulic oil tank O O O O Return pipe to hydraulic oil tank O Air conditioning with manual adjustment Air suspension cloth-covered seat O SI Bluetooth CD MP3 radio CD MP3 radio CD MP3 car radio CD MP4 car radio CD MP5 car radio CD MP6 car radio CD MP6 car radio CD MP7 car radio (SD M) CD Mechanical cloth-covered seat SS - Tuner car radio (SD W) SS - Tuner car radio (SD W) COntinuous flow hydraulics CO Continuous flow hydraulics CO COITINUOUS flow hydraulic couplers CO CO COITINUOUS flow hydraulic couplers CO CO CO CO CO CO CO CO CO C	Boom suspension	0	0	
Hydraulic attachment locking	Electric predisposition on the top of the boom	0	0	
Return pipe to hydraulic oil tank 0 0 Operator station Committed in the pipe to hydraulic oil tank 0 S Air conditioning with manual adjustment 0 S Air suspension cloth-covered seat 0 S Bluetooth CD MP3 radio 0 0 CD MP3 car radio 0 S Cyclonic air pre-filter S S Low frequency air suspension cloth seat with heating 0 O Mechanical cloth-covered seat S - Tuner car radio (50 W) S - Mechanical cloth-covered seat S - Tuner car radio (50 W) S - Motorization/Power S - Attachment hydraulic flow control system 0 O Continuous flow hydraulics 0 O Self cleaning air prefilter 0 O Security 0 O Pair of pre-fitted Double Action rear hydraulic couplers 0 O Automatic rotating towing hitch on counterweight S S	Electrovalve for 2 hydraulic functions (on boom head)	0	0	
Operator station Air conditioning with manual adjustment 0 \$ Air suspension cloth-covered seat 0 \$ Bluetooth CD MP3 radio 0 0 CD MP3 car radio 0 \$ Cyclonic air pre-filter \$ \$ Low frequency air suspension cloth seat with heating 0 0 Mechanical cloth-covered seat \$ - Tuner car radio (50 W) \$ - Motorization/Power *** *** Attachment hydraulic flow control system 0 0 Continuous flow hydraulics 0 0 Self cleaning air prefilter 0 0 Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch \$ \$ Lighting *** *** Front and rear LED work lights on cab (x4 : 2 front + 2 rear) 0 0 Work lights on boom head (x2) 0	Hydraulic attachment locking	0	0	
Air conditioning with manual adjustment 0 \$ Air suspension cloth-covered seat 0 \$ Bluetooth CD MP3 radio 0 0 CD MP3 car radio 0 \$ CD MP3 car radio 0 \$ COV plonic air pre-filter \$ \$ Low frequency air suspension cloth seat with heating 0 0 Mechanical cloth-covered seat \$ - Tuner car radio (50 W) \$ - Motorization/Power S - Attachment hydraulic flow control system 0 0 Continuous flow hydraulics 0 0 Self cleaning air prefilter 0 0 Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch \$ \$ Italities \$ \$ Front and rear LED work lights on cab (x4:2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0	Return pipe to hydraulic oil tank	0	0	
Air suspension cloth-covered seat Bluetooth CD MP3 radio CD MP3 car radio Cyclonic air pre-filter Cyclonic air pre-filter Low frequency air suspension cloth seat with heating Cyclonic air pre-filter Cyclonic air pr	Operator station			
Bluetooth CD MP3 radio	Air conditioning with manual adjustment	0	S	
CD MP3 car radio Cyclonic air pre-filter Low frequency air suspension cloth seat with heating O Mechanical cloth-covered seat Tuner car radio (50 W) Motofization/Power Attachment hydraulic flow control system Continuous flow hydraulics Self cleaning air prefilter Secondary functions 1 pair of pre-fitted Double Action rear hydraulic couplers Automatic rotating towing hitch on counterweight Manual rotating towing hitch S Lighting Front and rear LED work lights on cab (x4 : 2 front + 2 rear) Work lights on boom head (x2) Security	Air suspension cloth-covered seat	0	S	
Cyclonic air pre-filter Low frequency air suspension cloth seat with heating Mechanical cloth-covered seat Tuner car radio (50 W) Motorization/Power Attachment hydraulic flow control system Continuous flow hydraulics Self cleaning air prefilter Secondary functions 1 pair of pre-fitted Double Action rear hydraulic couplers Automatic rotating towing hitch on counterweight Manual rotating towing hitch on counterweight Front and rear LED work lights on cab (x4 : 2 front + 2 rear) Work lights on boom head (x2) Security S S S S S S S S S S S S S S S S S S S	Bluetooth CD MP3 radio	0	0	
Low frequency air suspension cloth seat with heating 0 0 0 Mechanical cloth-covered seat S - C - C - C - C - C - C - C - C - C -	CD MP3 car radio	0	S	
Mechanical cloth-covered seat Tuner car radio (50 W) Motorization/Power Attachment hydraulic flow control system Continuous flow hydraulics Continuous flow hydraulic	Cyclonic air pre-filter	S	S	
Tuner car radio (50 W) Motorization/Power Attachment hydraulic flow control system Continuous flow hydraulics	Low frequency air suspension cloth seat with heating	0	0	
Motorization/Power 0 0 Attachment hydraulic flow control system 0 0 Continuous flow hydraulics 0 0 Self cleaning air prefilter 0 0 Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch S S Lighting S S Front and rear LED work lights on cab (x4:2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0 Security 0 0		S	-	
Attachment hydraulic flow control system 0 0 Continuous flow hydraulics 0 0 Self cleaning air prefilter 0 0 Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch \$ \$ Ighting 0 0 Front and rear LED work lights on cab (x4: 2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0 Security 0 0	Tuner car radio (50 W)	S	<u> </u>	
Continuous flow hydraulics 0 0 0 Self cleaning air prefilter 0 0 0 Secondary functions 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 0 Automatic rotating towing hitch on counterweight 0 0 0 Manual rotating towing hitch on counterweight S S S Lighting Front and rear LED work lights on cab (x4: 2 front + 2 rear) 0 0 0 Work lights on boom head (x2) 0 0 Security	Motorization/Power			
Self cleaning air prefilter 0 0 Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch \$ \$ Lighting 0 0 Front and rear LED work lights on cab (x4:2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0 Security 0 0	Attachment hydraulic flow control system	0	0	
Secondary functions 0 0 1 pair of pre-fitted Double Action rear hydraulic couplers 0 0 Automatic rotating towing hitch on counterweight 0 0 Manual rotating towing hitch \$ \$ Lighting *** *** Front and rear LED work lights on cab (x4: 2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0 Security *** ***	Continuous flow hydraulics	0	0	
1 pair of pre-fitted Double Action rear hydraulic couplers Automatic rotating towing hitch on counterweight O Manual rotating towing hitch S S Lighting Front and rear LED work lights on cab (x4: 2 front + 2 rear) Work lights on boom head (x2) Security O O O Security	Self cleaning air prefilter	0	0	
Automatic rotating towing hitch on counterweight 0 0 0 Manual rotating towing hitch S S S Lighting Front and rear LED work lights on cab (x4:2 front + 2 rear) 0 0 Work lights on boom head (x2) 0 0 Security	Secondary functions			
Manual rotating towing hitch S S Lighting Front and rear LED work lights on cab (x4: 2 front + 2 rear) Work lights on boom head (x2) Security S S S O O O Security	1 pair of pre-fitted Double Action rear hydraulic couplers	0	0	
Lighting Front and rear LED work lights on cab (x4:2 front + 2 rear) Work lights on boom head (x2) Security O O O Security	Automatic rotating towing hitch on counterweight	0	0	
Front and rear LED work lights on cab (x4:2 front + 2 rear) Work lights on boom head (x2) Security 0 0 0 0 0	* *	S	S	
Work lights on boom head (x2) 0 0 Security				
Security	, , ,			
		0	0	
Audio waming on reverse 0 0	•			
	Audio warning on reverse	0	0	

MLT-X 735 T LSU - 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