Technical sheet:

MLT 742-140 V+ (51)





Canacities	- Units	
Capacities	Metric	
Max. capacity	Q 4200 kg	
Max. lifting height	h3 6.91 m	
Maximum outreach	3.96 m	
Reach at max. height	1 m	
Breakout force with bucket	5748 daN	
Weight and dimensions		
Unladen weight (with forks)	7950 kg	
Ground clearance	m4 0.42 m	
Wheelbase	y 2.81 m	
Overall length to carriage (with hitch)	I11 5.02 m	
Front overhang	1.26 m	
Overall width	b1 2.39 m	
Overall cab width	b4 0.95 m	
Overall height	h17 2.38 m	
Tilt-down angle	a5 133°	
Tilt-up angle	a4 14°	
External turning radius (over tyres)	Wa1 3.93 m	
Standard tires	Alliance - A580 - 460/70 R24 159A	ρ
Drive wheels (front / rear)	2 / 2	
	2/2	
Steering wheels (front / rear)	2/2	
Performances	0.10	
Lifting	8.10 s	
Lowering	8.50 s	
Extension	6.90 s	
Retraction	6 s	
Crowd	3.80 s	
Dump	3.30 s	
Engine		
Engine brand	Deutz	
Engine norm	Stage V	
Engine model	TCD 3.6 L4	
Number of cylinders - Capacity of cylinders	4 - 3621 cm ³	
I.C. Engine power rating / Power	136 Hp / 100 kW	
Max. torque / Engine rotation	500 Nm @1600 rpm	
Drawbar pull (Laden)	6450 daN	
Reversible fan	Standard	
Engine cooling system	Engine cooling system - 4 radiators (w intercooler + hydraulic oil + hydraulic o	
	transmission)	
HVO validated (according to EN 15940 standard)	Yes	
Transmission		
Transmission type	M-Vario Plus	
Max. travel speed (may vary according to applicable regulations)	40 km/h	
Differential lock	Limited slip differential on front ax	le
Parking brake	Automatic negative parking brake	
Service brake	Oil-immersed multi-discs braking on fror axles	it & rea
Hydraulics		
Hydraulic pump type	Variable displacement pump	
Hydraulic flow - Pressure	170 l/min - 270 bar	
Flow sharing distributor	Standard	
Tank capacities		
Hydraulic tank capacity	1351	
Fuel tank	120	
Diesel Exhaust fluid (AdBlue® type)	101	
	101	
Noise and vibration	70.10	
Noise at driving position (LpA) tested following NF EN 12053 norm	72 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 - 460/70 R24 159A8	2.37 m	2.40 m
NOKIAN - TRI STEEL - 460/65 R24 156A8	2.36 m	2.40 m
MICHELIN - XMCL - 500/70 R24 164A8	2.39 m	2.43 m
MICHELIN - BIBLOAD - 460/70 R24 159A8	2.37 m	2.40 m
MICHELIN - BIBLOAD - 500/70 R24 164A8	2.39 m	2.43 m
MICHELIN - XHA - 15.5 R25 158A2	2.37 m	2.40 m
MICHELIN - XMCL - 460/70 R24 159A8	2.37 m	2.40 m
TRELLEBORG - TH400 - 460/70 R24 159A8	2.37 m	2.40 m
TRELLEBORG - TH400 - 500/70 R24 164A8	2.39 m	2.42 m
TRELLEBORG - TH500 - 460/70 R24 159A8	2.37 m	2.40 m
VREDESTEIN - ENDURION - 460/70 R24 159A8	2.38 m	2.41 m
VREDESTEIN - ENDURION - 500/70 R24 164A8	2.41 m	2.44 m

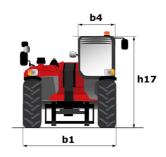
Options / Finishing

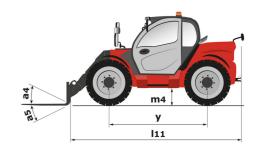
S : Standard / O : Optional / - : Not available

Lifting function Comment hydraulic locking O O O S S Regenerative Hydraulics O O S S S Regenerative Hydraulics O S		Classic	Premium	Elite	Platinum
Intelligent hydraulics 0	Lifting function				
Intelligent hydraulics 0	Attachment hydraulic locking	0	0	0	S
Operator station Comment of a brit continuing and a brit continuing a		0	0	S	S
Air suspension fabric seat - GRAMMER	Regenerative Hydraulics	0	S	S	S
Automatic air conditioning 0	Operator station				
Automatic wheel alignment 0	Air suspension fabric seat - GRAMMER	0	S	-	-
Bluetooth USB radio - With extra microphone - 100W 0	Automatic air conditioning	0	S	S	S
Bluetooth USB radio - With integrated microphone - 100W S	Automatic wheel alignment	0	0	S	S
Boom suspension - "Active CRC"	Bluetooth USB radio - With extra microphone - 100W	0	0	S	S
Exterior right electric rear-view mirror with de-icing 0 0 S S Extra front wiper 0 S S S High/New camera on boom head (telescopic part) 0 0 0 0 S Lateral wiper S S S S S Low frequency air suspension fabric seat - GRAMMER 0 0 S - Low frequency air suspension fabric seat with heating - GRAMMER 0 0 0 S Mechanical suspension fabric seat with heating - GRAMMER 0 0 0 S SafeView camera pack - Right hand side and rear (x2) 0 0 0 S Storage box - On the shelf 0 0 0 S Tuner car radio - SDW S - - - Vision screen - 7 in. S S S S Motorization/Power S S S S Auto reversing fan S S S S Continuous flow hydraulics 0 <t< td=""><td>Bluetooth USB radio - With integrated microphone - 100W</td><td>0</td><td>S</td><td>-</td><td></td></t<>	Bluetooth USB radio - With integrated microphone - 100W	0	S	-	
Extra front wiper 0 S S S HighView camera on boom head (telescopic part) 0 0 0 S Lateral wiper S S S S Low frequency air suspension fabric seat - GRAMMER 0 0 0 S Low frequency air suspension fabric seat vith heating - GRAMMER 0 0 0 S Mechanical suspension fabric seat - GRAMMER S - - - - Mechanical suspension fabric seat - GRAMMER S -	Boom suspension - "Active CRC"	0	0	S	S
HighView camera on boom head (telescopic part) Lateral wiper S S S S S S Low frequency air suspension fabric seat - GRAMMER O O O O S Low frequency air suspension fabric seat with heating - GRAMMER O O O O S Low frequency air suspension fabric seat with heating - GRAMMER O O O O S Mechanical suspension fabric seat - GRAMMER S -	Exterior right electric rear-view mirror with de-icing	0	0	S	S
Lateral wiper S S S S Low frequency air suspension fabric seat - GRAMMER 0 0 S - Low frequency air suspension fabric seat - GRAMMER 0 0 0 S Mechanical suspension fabric seat - GRAMMER S - - - - SafeView camera pack - Right hand side and rear (x2) 0 0 0 S -	Extra front wiper	0	S	S	S
Low frequency air suspension fabric seat · GRAMMER 0 0 S - Low frequency air suspension fabric seat with heating · GRAMMER 0 0 0 S Mechanical suspension fabric seat · GRAMMER \$ - - - - SafeView camera pack · Right hand side and rear (x2) 0 0 0 S S Storage box · On the shelf 0 0 0 0 S S Tuner car radio · 50W \$ \$. -	HighView camera on boom head (telescopic part)	0	0	0	S
Low frequency air suspension fabric seat with heating - GRAMMER 0 0 0 S Mechanical suspension fabric seat - GRAMMER S - - - SafeView camera pack - Right hand side and rear (x2) 0 0 0 S Storage box - On the shelf 0 0 0 S Tuner car radio - 50W S - - - Vision screen - 7 in. S S S S Motorization/Power S S S S Auto reversing fan S S S S Continuous flow hydraulics 0 0 S S Hand throttle S S S S S Secondary functions 0 0 0 S Automatic greasing system (AGS) - Chassis + boom 0 0 0 S Lighting Lighting C 0 0 S Light to y O 0 0 S Light to y	Lateral wiper	S	S	S	S
Mechanical suspension fabric seat-GRAMMER S -	Low frequency air suspension fabric seat - GRAMMER	0	0	S	
SafeView camera pack - Right hand side and rear (x2) 0 0 0 S Storage box - On the shelf 0 0 0 S Tuner car radio - 50W \$ - - - Vision screen - 7 in. \$ \$ \$ \$ \$ Motorization/Power <td>Low frequency air suspension fabric seat with heating - GRAMMER</td> <td>0</td> <td>0</td> <td>0</td> <td>S</td>	Low frequency air suspension fabric seat with heating - GRAMMER	0	0	0	S
Storage box - On the shelf 0 0 0 S Tuner car radio - 50W S - - - Vision screen - 7 in. S S S S Motorization/Power U U U U Auto reversing fan S S S S Continuous flow hydraulics 0 0 S S Hand throttle S S S S Secondary functions 0 0 0 S Automatic greasing system (AGS) - Chassis + boom 0 0 0 S Lighting 0 0 0 S LED + side work lights (x4) 0 0 0 S led front road lights 0 0 0 S	Mechanical suspension fabric seat - GRAMMER	S	-	-	
Tuner car radio - 50W S -	SafeView camera pack - Right hand side and rear (x2)	0	0	0	S
Vision screen - 7 in. S S S S Motorization/Power U	Storage box - On the shelf	0	0	0	S
Motorization/Power S	Tuner car radio - 50W	S	-	-	-
Auto reversing fan S S S S Continuous flow hydraulics 0 0 S S Hand throttle S S S S Secondary functions U U U U U U U S	Vision screen - 7 in.	S	S	S	S
Continuous flow hydraulics 0 0 S S Hand throttle S S S S Secondary functions U U U U U U S	Motorization/Power				
Hand throttle S <	Auto reversing fan	S	S	S	S
Secondary functions U U U U U S S Lighting U U U U U U U U U U U U U U U U D O O O O S I </td <td>Continuous flow hydraulics</td> <td>0</td> <td>0</td> <td>S</td> <td>S</td>	Continuous flow hydraulics	0	0	S	S
Automatic greasing system (AGS) - Chassis + boom 0 0 0 S Lighting LED+ side work lights (x4) 0 0 0 0 S led front road lights 0 0 0 0 S	Hand throttle	S	S	S	S
Lighting Under the company of the company	Secondary functions				
LED+ side work lights (x4) 0 0 0 S led front road lights 0 0 0 S	Automatic greasing system (AGS) - Chassis + boom	0	0	0	S
led front road lights 0 0 0 S	Lighting				
, and the second	LED+ side work lights (x4)	0	0	0	S
LED work lights - On the top of the boom (fixed part) (x2) 0 0 S	led front road lights	0	0	0	S
	LED work lights - On the top of the boom (fixed part) (x2)	0	0	0	S

MLT 742-140 V+ (S1) - Dimensional drawing

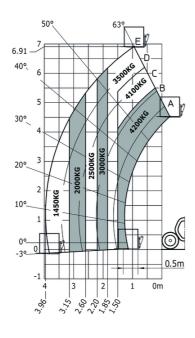






MLT 742-140 V+ (S1) - Load chart

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