Technical sheet:

MLT 742-140 V+ (51)





	MLT 742-140 V+ (S1) Created on December 14, 2025 at 4:18 PM
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	07 10 dail.
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	
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 159A8
Drive wheels (front / rear)	2/2
Steering mode	Manicrab, 2 wheel steer, 4 wheel steer, Crab mo
Performances	
Lifting	8.10 s
Lowering	8.50 s
Extension	6.90 s
Retraction	6 s
Crowd	3.80 s
Dump	3.30 s
Engine	0.000
Engine brand	Deutz
	Stage V
Engine norm Engine model	
	TCD 3.6 L4
Number of cylinders - Capacity of cylinders	4 - 3621 cm³
Engine power (Hp / kW)	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 (water + intercooler + hydraulic oil + hydraulic oil + for 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 axle
Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs paining make axles
Hydraulics	
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	170 I/min - 270 bar
Flow sharing distributor	Standard
Tank capacities	Gundard
Hydraulic tank capacity	135 I
Fuel Discal Exhaust fluid (AdDus® tras)	120 l 10 l
Diesel Exhaust fluid (AdBlue® type)	101
Noise and vibration	
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

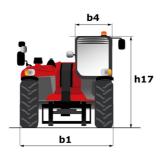
Options / Finishing

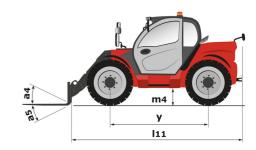
S : Standard / O : Optional / - : Not available

Lifting function		Classic	Premium	Elite	Platinum
Intelligent hydraulics 0	Lifting function				
Regenerative Hydraulics	Attachment hydraulic locking	0	0	0	S
Operator station Air suspension fabric seat - GRAMMER 0 S - - Automatic in conditioning 0 S S S Automatic wheel alignment 0 0 S S Bluetooth USB radio - With extra microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Bluetooth USB radio - With integrated microphone - 100W 0 S S Exterior right electric rear-view mimor with de-icing 0 0 S S Extra front wiper 0 0 S S S Light place of the State of CRAMMER 0 0 0 S Low frequency air suspension fabric seat - GRAMMER	Intelligent hydraulics	0	0	S	S
Air suspension fabric seat - GRAMMER Automatic air conditioning 0 SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Regenerative Hydraulics	0	S	S	S
Automatic air conditioning	Operator station				
Automatic wheel alignment Bluetooth USB radio - With extra microphone - 100W O O O O S S S Bluetooth USB radio - With integrated microphone - 100W O O O O S S S Buteroff USB radio - With integrated microphone - 100W O O O S S S Exterior right electric rear-view mirror with de-icing O O O S S S Exterior right electric rear-view mirror with de-icing O O S S S S S B HighView camera on boom head (telescopic part) Lateral wiper S S S S S S S S Low frequency air suspension fabric seat - GRAMMER O O O S S S S S S S S S S S S S S S S	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	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 minror 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 S Low frequency air suspension fabric seat - GRAMMER 0 0 S - <td>Bluetooth USB radio - With integrated microphone - 100W</td> <td>0</td> <td>S</td> <td>-</td> <td></td>	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 S - Low frequency air suspension fabric seat vift heating - GRAMMER 0 0 0 S Mechanical suspension fabric seat - GRAMMER 0 0 0 S Mechanical suspension fabric seat - GRAMMER 0 0 0 S SafeView camera pack - Right hand side and rear (x2) 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 S Tuner car radio - 50W S S S S S S Vision screen - 7 in. S S S S S S S Auto reversing fan S S S S	Boom suspension - "Active CRC"	0	0	S	S
HighView camera on boom head (telescopic part)	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 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<	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 S - - - - SafeView camera pack - Right hand side and rear (x2) 0 0 0 S S Storage box - On the shelf 0 0 0 0 S Tuner car radio - 50W S - - - - Vision screen - 7 in. S S S S S Motorization/Power S S S S S Auto reversing fan S S S S S Continuous flow hydraulics 0 0 S S S Hand throttle S S S S S S S Secondary functions 0 0 0 O S S S S S S S S S S S S S S S </td <td>HighView camera on boom head (telescopic part)</td> <td>0</td> <td>0</td> <td>0</td> <td>S</td>	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	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 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 Secondary functions 0 0 O S Automatic greasing system (AGS) - Chassis + boom 0 0 O S Lighting U 0 0 O S LED+ side work lights (x4) 0 0 0 S led front road lights 0 0 0 S	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 Motofization/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 Secondary functions 0 0 0 S Automatic greasing system (AGS) - Chassis + boom 0 0 0 S Lighting U 0 0 S S Lighting 0 0 0 S Lighting 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 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 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	Storage box - On the shelf	0	0	0	S
Motorization/Power S	Tuner car radio - 50W	S	-	-	-
Auto reversing fan S S S Continuous flow hydraulics 0 0 S S Hand throttle S S S S Secondary functions Use of the property	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 O O O S Automatic greasing system (AGS) - Chassis + boom 0 O O O S Lighting U U O O O S LED+ side work lights (x4) O O O O S led front road lights O O O S	Motorization/Power				
Hand throttle S <	Auto reversing fan	S	S	S	S
Secondary functions O O O S Automatic greasing system (AGS) - Chassis + boom O O O O S Lighting U O O O O S LED+ side work lights (x4) O O O O S led front road lights O O O S	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 S led front road lights 0 0 0 S	Hand throttle	S	S	S	S
Lighting Under the control of the control	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				
·	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

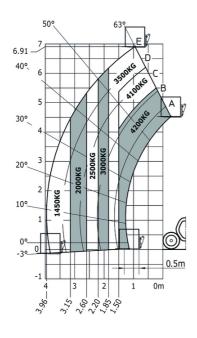






MLT 742-140 V+ (S1) - Load chart

Machine on tires with forks Metric







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