Technical sheet:

MLT 742-140 V+ (51)





	MLT 742-140 V+ (S1) Created on September 1, 2025 at 12:24 AM
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	3740 dai\
Unladen weight (with forks)	7950 kg
Ground clearance	m4 0.42 m
Wheelbase	y 2.81 m
Overall length to carriage (with hitch)	l11 5.02 m
Front overhang	1.26 m
Overall width	b1 2.39 m
Overall cab width	
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 wheels (front / rear)	2/2
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	
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 (water + intercooler + hydraulic oil + hydraulic oil for transmission)
HVO validated (according to EN 15940 standard)	Yes
Transmission	162
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
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Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs braking on front & re axles
Hydraulics	
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	170 l/min - 270 bar
Flow sharing distributor	Standard
Tank capacities	Statiualu
Hydraulic tank capacity	135
Fuel tank	1331
Diesel Exhaust fluid (AdBlue® type)	10
Noise and vibration	
Noise at driving position (LpA) tested following NF EN 12053 norm	72 dB
Vibration on hands/arms	< 2.50 m/s²
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

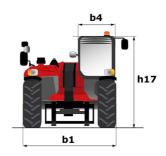
Options / Finishing

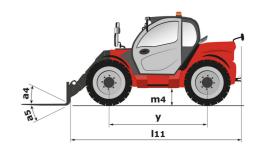
S: Standard / O: Optional / -: Not available

	Classic	Premium	Elite	Platinum
Lifting function				
Attachment hydraulic locking	0	0	0	S
Intelligent hydraulics	0	0	S	S
Regenerative Hydraulics	0	S	S	S
Operator station				
Air suspension fabric seat - GRAMMER	0	S	-	-
Automatic air conditioning	0	S	S	S
Automatic wheel alignment	0	0	S	S
Bluetooth USB radio - With extra microphone - 100W	0	0	S	S
Bluetooth USB radio - With integrated microphone - 100W	0	S	-	-
Boom suspension - "Active CRC"	0	0	S	S
Exterior right electric rear-view mirror with de-icing	0	0	S	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 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				
Auto reversing fan	S	S	S	S
Continuous flow hydraulics	0	0	S	S
Hand throttle	S	S	S	S
Secondary functions				
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
LED work lights - On the top of the boom (fixed part) (x2)	0	0	0	S

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

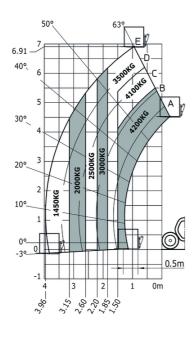






MLT 742-140 V+ (S1) - Load chart

Machine on tires with forks Metric







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