Technical sheet :

MLT 742-140 V+ (S1)

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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)	l11	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 159A8
Drive wheels (front / rear)		2 / 2
Steering mode		Manicrab, 2 wheel steer, 4 wheel steer, Crab mode
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 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 braking on front & rear axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		170 l/min - 270 bar
Flow sharing distributor		Standard
Tank capacities		
Hydraulic tank capacity		135 l
Fuel		120 l
Diesel Exhaust fluid (AdBlue® type)		10 l
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

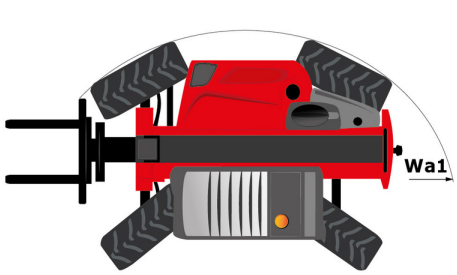
	Overall height	Overall width
ALLIANCE - A585 - 460/70 R24 159A8	2.37 m	2.40 m
NOKIAN - TRI STEEL - 460/65 R24 156A8	2.36 m	2.40 m
MICHELIN - XMCL - 500/70 R24 164A8	2.39 m	2.43 m
MICHELIN - BIBLOAD - 460/70 R24 159A8	2.37 m	2.40 m
MICHELIN - BIBLOAD - 500/70 R24 164A8	2.39 m	2.43 m
MICHELIN - XHA - 15.5 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

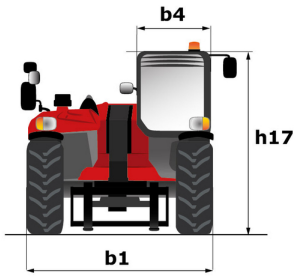
Options / Finishing

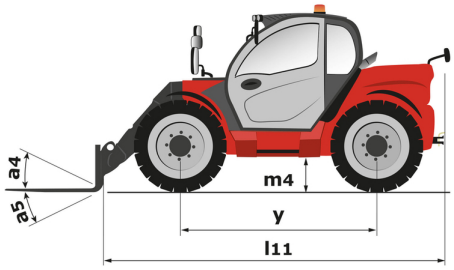
S : Standard / O : Optional / - : Not available

	Classic	Premium	Elite	Platinum
Lifting function				
Attachment hydraulic locking	O	O	O	S
Intelligent hydraulics	O	O	S	S
Regenerative Hydraulics	O	S	S	S
Operator station				
Air suspension fabric seat - GRAMMER	O	S	-	-
Automatic air conditioning	O	S	S	S
Automatic wheel alignment	O	O	S	S
Bluetooth USB radio - With extra microphone - 100W	O	O	S	S
Bluetooth USB radio - With integrated microphone - 100W	O	S	-	-
Boom suspension - "Active CRC"	O	O	S	S
Exterior right electric rear-view mirror with de-icing	O	O	S	S
Extra front wiper	O	S	S	S
HighView camera on boom head (telescopic part)	O	O	O	S
Lateral wiper	S	S	S	S
Low frequency air suspension fabric seat - GRAMMER	O	O	S	-
Low frequency air suspension fabric seat with heating - GRAMMER	O	O	O	S
Mechanical suspension fabric seat - GRAMMER	S	-	-	-
SafeView camera pack - Right hand side and rear (x2)	O	O	O	S
Storage box - On the shelf	O	O	O	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	O	O	S	S
Hand throttle	S	S	S	S
Secondary functions				
Automatic greasing system (AGS) - Chassis + boom	O	O	O	S
Lighting				
LED+ side work lights (x4)	O	O	O	S
led front road lights	O	O	O	S
LED work lights - On the top of the boom (fixed part) (x2)	O	O	O	S

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

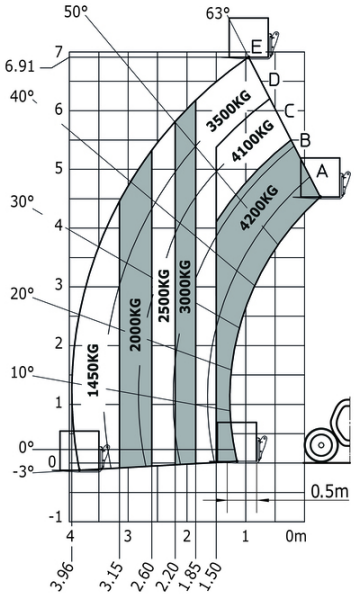






MLT 742-140 V+ (S1) - Load chart

Machine on tires with forks Metric



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