

Technical sheet :

MLT 742-130 PS+ (S1)



 **MANITOU**
HANDLING YOUR WORLD

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)		8120 kg	
Ground clearance	m4	0.41 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		8.70 s	
Lowering		8.60 s	
Extension		6.90 s	
Retraction		6.10 s	
Crowd		3.60 s	
Dump		3.10 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)		129 Hp / 95 kW	
Max. torque / Engine rotation		500 Nm @1600 rpm	
Drawbar pull (Laden)		8000 daN	
Reversible fan		Standard	
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)	
HVO validated (according to EN 15940 standard)		Yes	
Transmission			
Transmission type		Torque converter	
Gearbox		Powershift	
Number of gears (forward / reverse)		6 / 3	
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		150 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

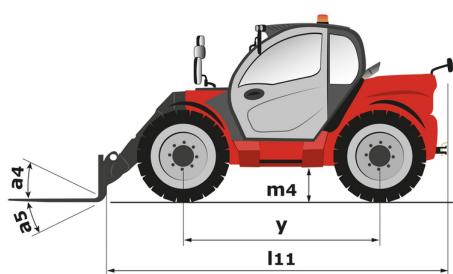
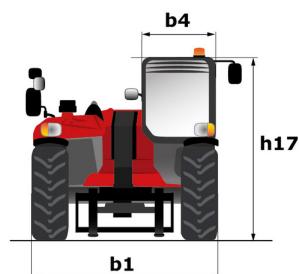
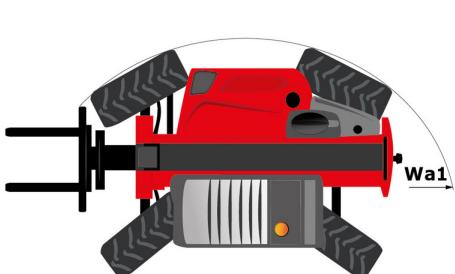
	Overall height	Overall width
ALLIANCE - A585 - 460/70 R24 159A8	2.37 m	2.40 m
NOKIAN - TRI STEEL - 460/65 R24 156A8	2.36 m	2.40 m
MICHELIN - BIBLOAD - 460/70 R24 159A8	2.37 m	2.40 m
MICHELIN - BIBLOAD - 500/70 R24 164A8	2.39 m	2.43 m
MICHELIN - XHA - 15.5 R25 158A2	2.37 m	2.40 m
MICHELIN - XMCL - 460/70 R24 159A8	2.37 m	2.40 m
MICHELIN - XMCL - 500/70 R24 164A8	2.39 m	2.43 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
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

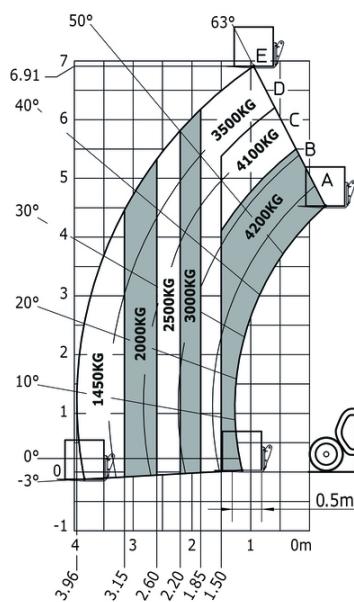
	Classic	Premium	Elite	Platinum
Lifting function				
Attachment hydraulic locking	0	0	0	S
Intelligent hydraulics	0	0	0	S
Regenerative Hydraulics	0	0	0	S
Operator station				
Air suspension fabric seat - GRAMMER	0	S	-	-
Automatic air conditioning	0	S	S	S
Automatic wheel alignment	0	0	S	S
Bluetooth USB 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	0	0	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 742-130 PS+ (S1) - Dimensional drawing



MLT 742-130 PS+ (S1) - Load chart

Machine on tires with forks Metric





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