

Technical sheet :

# **MLT 635-140 V+**

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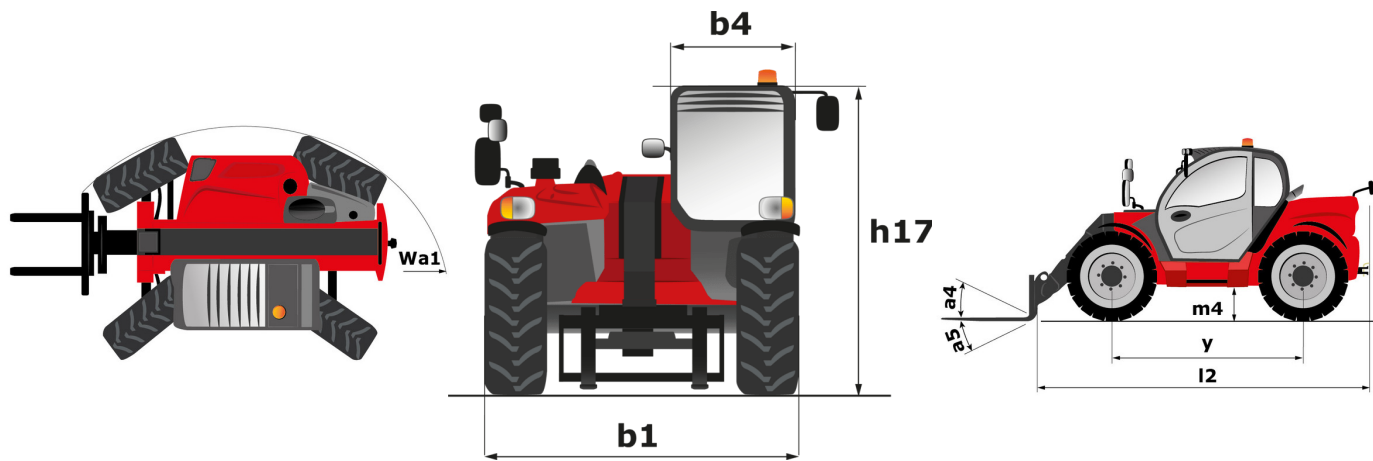
 **MANITOU**  
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Capacities		Imperial
Max. capacity	Q	7716 lb
Max. lifting height	h3	19 ft 11 in
Max. outreach		10 ft 6 in
Reach at max. height		2 ft
Breakout force with bucket		5441 daN
Weight and dimensions		
Unladen weight (with forks)		16755 lb
Ground clearance	m4	1 ft 5 in
Wheelbase	y	8 ft 6 in
Overall length to carriage (with hitch)	l11	15 ft 3 in
Overall length to carriage (without hitch)	l3	14 ft 9 in
Front overhang		3 ft 8 in
Overall width	b1	7 ft 10 in
Overall cab width	b4	3 ft 1 in
Overall height	h17	7 ft 10 in
Tilt-down angle	a5	134 °
Tilt-up angle	a4	12 °
External turning radius (over tyres)	Wa1	12 ft 4 in
Standard tires		Alliance - A580 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Performances		
Lifting		6.80 s
Lowering		6.80 s
Extension		4.50 s
Retraction		4.70 s
Crowd		2.90 s
Dump		2.50 s
Engine		
Engine brand		Deutz
Engine norm		Stage V / Tier 4 Final
Engine model		TCD 3,6 L4
Number of cylinders - Capacity of cylinders		4 - 221 in³
I.C. Engine power rating / Power		136 Hp / 100 kW
Max. torque / Engine rotation		369 ft/lbs @1600 rpm
Drawbar pull (Laden)		6600 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		M-Vario Plus
Max. travel speed (may vary according to applicable regulations)		25 mph
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		45 US gpm - 3916 PSI
Flow sharing distributor		Standard
Tank capacities		
Hydraulic oil		36 US gal
Fuel tank		32 US gal
Diesel Exhaust fluid (AdBlue® type)		3 US gal
Noise and vibration		
Noise at driving position (LpA) tested following NF EN 12053 norm		72 dB
Noise to environment (LwA)		105 dB
Vibration to whole hand/arm		< 2.50 m/s²
Miscellaneous		
Tractor homologation		Tractor homologation
Safety cab homologation		ROPS - FOPS level 2 cab
Controls		JSM

## Optional tires tab

Optional tires	Overall height	Overall width
FIRESTONE - R8000 UT - 460/70 R24 159A8	7 ft 10 in	7 ft 11 in
TRELLEBORG - TH400 - 460/70 R24 159A8	7 ft 9 in	7 ft 10 in
MICHELIN - XMCL - 460/70 R24 159A8	7 ft 9 in	7 ft 10 in
MICHELIN - BIBLOAD - 460/70 R24 159A8	7 ft 9 in	7 ft 10 in
MICHELIN - XHA - 15.5 R25 158A2	7 ft 9 in	7 ft 10 in
NOKIAN - TRI STEEL - 460/65 R24 156A8	7 ft 9 in	7 ft 10 in
VREDESTEIN - ENDURION - 460/70 R24 159A8	7 ft 10 in	7 ft 11 in
TRELLEBORG - TH500 - 460/70 R24 159A8	7 ft 9 in	7 ft 10 in
ALLIANCE - A585 - 460/70 R24 159A8	7 ft 9 in	7 ft 10 in

MLT 635-140 V+ - Dimensional drawing





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