

Technical sheet :

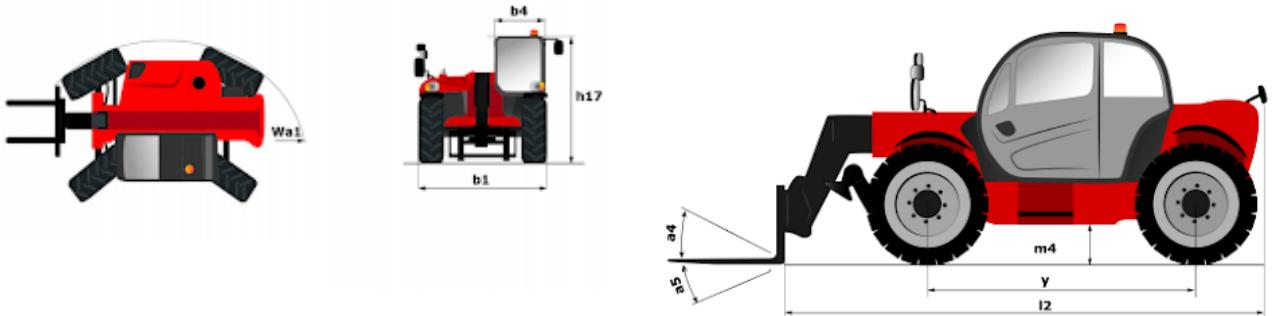
MTA 12042 SERIES IV



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	
Max. capacity		5443.12 kg	
Max. lifting height		12.80 m	
Maximum outreach		8.50 m	
Weight and dimensions			
Overall length to carriage	l11	5.90 m	
Overall width	b1	2.53 m	
Overall height	h17	2.41 m	
Wheelbase	y	3.15 m	
Ground clearance	m4	457 mm	
Overall cab width	b4	838 mm	
Tilt-up angle	a4	12 °	
Tilt-down angle	a5	112 °	
External turning radius	Wa3	4.24 m	
Unladen weight (with forks)		11431 kg	
Overall weight		11431 kg	
Standard tires		14 x 24	
Frame leveling longitudinal +/-		10 °	
Frame leveling corrector	a9	10 °	
Performances			
Lifting		15 s	
Lowering		10 s	
Extension		14 s	
Retraction		10 s	
Crown		6 s	
Dump		3 s	
Engine			
Engine brand		Deutz	
Engine norm		Tier 4 final	
Engine model		TCD 3.6 L4	
Number of cylinders / Capacity of cylinders		4 - 3.80 cm³	
Engine power (Hp/kW)		119.35 Hp / 89 kW	
Max. torque / Engine rotation		480 Nm @ 1600 rpm	
Transmission			
Transmission type		Torque converter with powershift gearbox	
Number of gears (forward / reverse)		4 / 3	
Max. travel speed		32.30 km/h	
Parking brake		Hydraulic spring release SAHR	
Service brake		Wet disc brakes	
Axle Manufacturer		Dana	
Hydraulics			
Hydraulic pump type		Gear pump	
Hydraulic flow / Pressure		157 l/min-207 bar	
Tank capacities			
Engine oil		14.70 l	
Hydraulic oil		170 l	
Diesel Exhaust fluid (AdBlue® type)		19 l	
Fuel		178 l	
Miscellaneous			
Steering wheels (front / rear)		2 / 2	
Drive wheels (front / rear)		2 / 2	
Cab certification		ROPS/FOPS	
Controls		Single Joystick FNR	

MTA 12042 Series IV - Dimensional drawing



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