

Technical sheet :

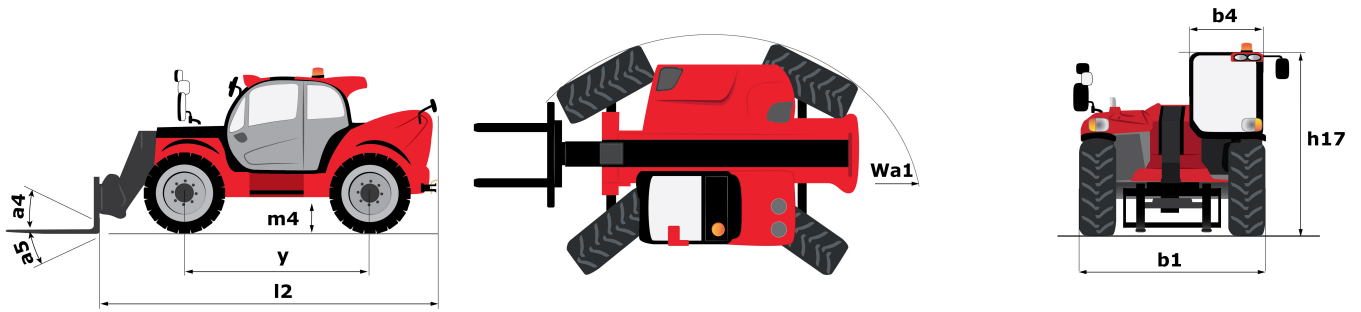
# **MTA 12042 S3**

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Capacities		Metric	Imperial
Max. capacity	Q	5444 kg	12002 lbs
Max. lifting height	h3	12.8 m	42 ft
Max. Reach	l4	8.5 m	27 ft 11 in
Weight and dimensions			
Overall length to carriage	l11	5.9 m	19 ft 4 in
Overall length (with forks)	l1	5.9 m	19 ft 4 in
Overall width	b1	2.53 m	8 ft 4 in
Overall height	h17	2.41 m	7 ft 11 in
Wheelbase	y	3.15 m	10 ft 4 in
Ground clearance	m4	457 mm	1 ft 6 in
Overall cab width	b4	838 mm	2 ft 9 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	112 °	112 °
Outer turning radius	Wa3	4.24 m	13 ft 11 in
Unladen weight (with forks)		11431 kg	25201 lbs
Standard tyres		14 x 24	14 x 24
Frame Levelling Longitudinal +/- (Degree)		10	10
Performances			
Lifting		15 s	15 s
Lowering		10 s	10 s
Extension		14 s	14 s
Retraction		10 s	10 s
Scoop		6 s	6 s
Crowd		6 s	6 s
Dump		3 s	3 s
Engine			
Engine brand		Cummins	Cummins
Engine norm		Tier IV Final	Tier IV Final
Engine model		QSF 3.8	QSF 3.8
Number of cylinders / Capacity of cylinders		4 - 4 cm <sup>3</sup>	4 - 0.23 in <sup>3</sup>
Power (kW)		89 kW	89 kW
Max. torque		488	488
Transmission			
Transmission type		Torque Converter with powershift	Torque Converter with powershift
Number of gears (forward / reverse)		4 / 3	4 / 3
Parking brake		Sahr	Sahr
Service brake		Wet disc brakes	Wet disc brakes
Axle Manufacturer		Dana	Dana
Hydraulics			
Hydraulic pump type		Gear Pump	Gear Pump
Hydraulic flow / Pressure		157 l/min / 207 Bar	157 l/min / 14 PSI
Tank capacities			
Engine oil		14.7 l	3.23 gal
Hydraulic oil		170 l	37.39 gal
Fuel tank		178 l	39.15 gal
DEF tank capacity		19 l	4.18 gal
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety cabin homologation		ROPS/FOPS	ROPS/FOPS
Controls		Single Joystick FNR	Single Joystick FNR

# Dimensional drawing







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