

Technical sheet :

# **MTA 12042 SERIES IV**

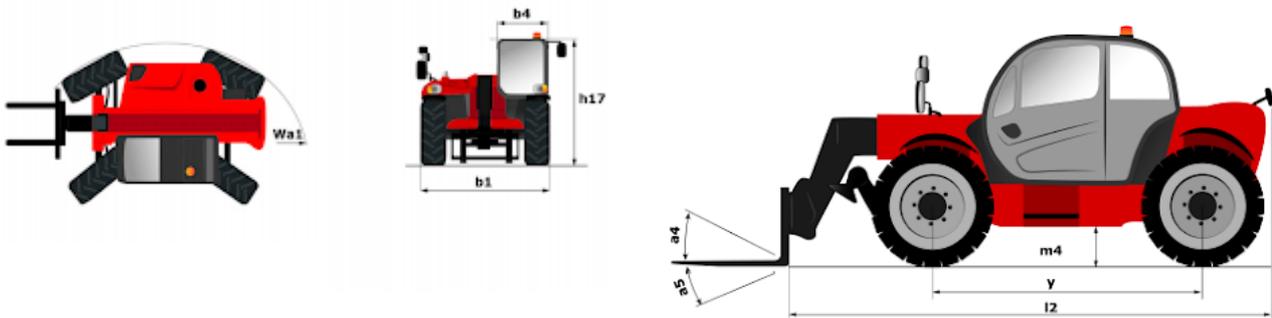
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 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity		12000 lb
Max. lifting height		42 ft
Max. outreach		27 ft 11 in
Weight and dimensions		
Overall length to carriage	l11	19 ft 4 in
Overall width	b1	8 ft 4 in
Overall height	h17	7 ft 11 in
Wheelbase	y	10 ft 4 in
Ground clearance	m4	18 in
Overall cab width	b4	33 in
Tilt-up angle	a4	12 °
Tilt-down angle	a5	112 °
External turning radius	Wa3	13 ft 11 in
Unladen weight (with forks)		25201 lb
Overall weight		25201 lb
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
Crowd		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 - 0.23 in³
I.C. Engine power rating - Power		119.35 Hp / 89 kW
Max. torque / Engine rotation		354 ft/lbs @ 1600 rpm
Transmission		
Transmission type		Torque converter with powershift gearbox
Number of gears (forward / reverse)		4 / 3
Max. travel speed		20 mph
Parking brake		SAHR
Service brake		Wet disc brakes
Axle Manufacturer		Dana
Hydraulics		
Hydraulic pump type		Gear pump
Hydraulic flow / Pressure		41 US gpm-3002 PSI
Tank capacities		
Engine oil		4 US gal
Hydraulic oil		45 US gal
Fuel tank		47 US gal
DEF tank capacity		5 US gal
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Safety cab homologation		ROPS/FOPS
Controls		Single Joystick FNR

MTA 12042 Series IV - Dimensional drawing







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