

Technical sheet :

# **MTA 6642 SERIES IV**

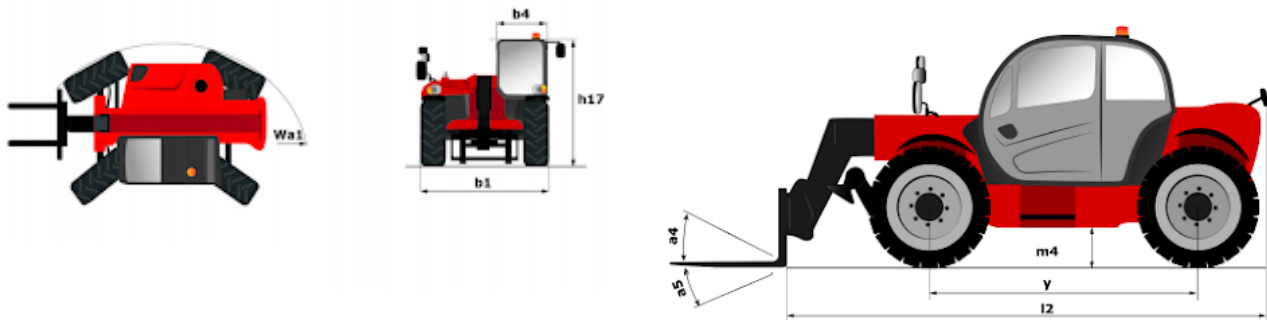
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 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity		2994 kg
Max. lifting height		12.80 m
Max. outreach		8.60 m
Weight and dimensions		
Overall length to carriage	l11	5.81 m
Overall width	b1	2.50 m
Overall height	h17	2.34 m
Wheelbase	y	3.03 m
Ground clearance	m4	406 mm
Overall cab width	b4	838 mm
Tilt-up angle	a4	12 °
Tilt-down angle	a5	112 °
External turning radius	Wa3	4.20 m
External turning radius (over tyres)	Wa1	4.20 m
Unladen weight (with forks)		9980 kg
Standard tires		13 x 24
Frame leveling longitudinal +/-		10 °
Frame leveling corrector	a9	10 °
Performances		
Lifting		11 s
Lowering		8 s
Extension		14 s
Retraction		12 s
Crowd		7 s
Dump		4 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
I.C. Engine power rating - Power		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)		3 / 3
Max. travel speed		31.50 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 tank		178 l
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Safety cab homologation		ROPS/FOPS
Controls		Single Joystick FNR

### MTA 6642 SERIES IV - Dimensional drawing





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