

Technical sheet :

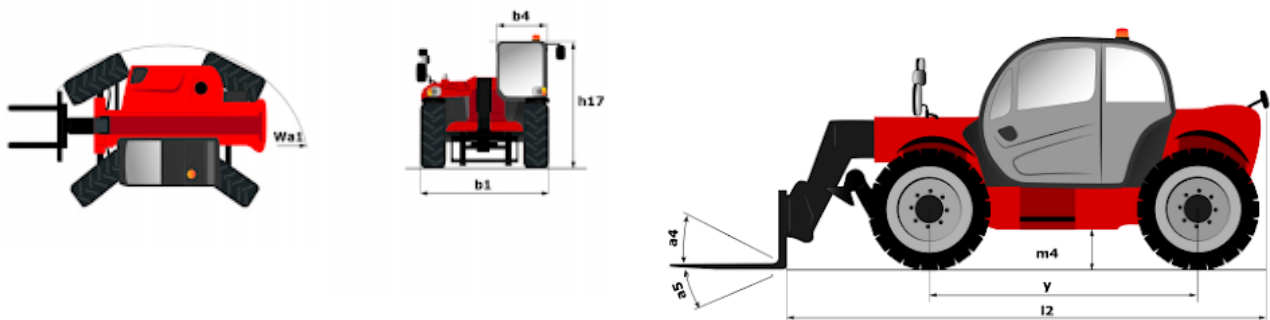
MTA 12055 SERIE 3



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity		12000 lb
Max. lifting height		55 ft 5 in
Maximum outreach		40 ft 9 in
Breakout force with bucket		62.20 daN
Weight and dimensions		
Overall length to carriage	l11	21 ft
Overall width	b1	8 ft 2 in
Overall height	h17	8 ft 6 in
Wheelbase	y	130 in
Ground clearance	m4	16 in
Overall cab width	b4	34 in
Tilt-up angle	a4	30 °
Tilt-down angle	a5	102 °
Unladen weight		31839 lb
Standard tires		14 x 24
Frame leveling corrector	a9	10 °
Performances		
Lifting		15 s
Lowering		11 s
Extension		15 s
Retraction		16 s
Dump		4 s
Engine		
Engine brand		Cummins
Engine norm		Tier 4 final
Engine model		QSF 3.8 Tier IV
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		360 ft/lbs @ 2500 rpm
Transmission		
Transmission type		Powershift
Number of gears (forward / reverse)		4 / 4
Travel speed (laden)		23 mph
Parking brake		Hydraulic spring release SAHR
Service brake		Wet disc brakes
Axle Manufacturer		Dana
Hydraulics		
Hydraulic pump type		Gear pump
Hydraulic flow / Pressure		43 US gpm-3002 PSI
Tank capacities		
Engine oil		4 US gal
Hydraulic oil		41 US gal
Fuel tank		30 US gal
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Cab certification		ROPS/FOPS
Controls		Single Joystick FNR

MTA 12055 serie 3 - Dimensional drawing





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