

Technical sheet :

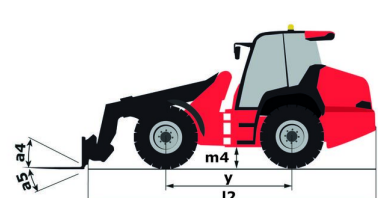
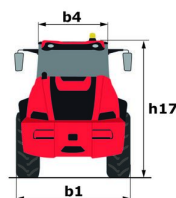
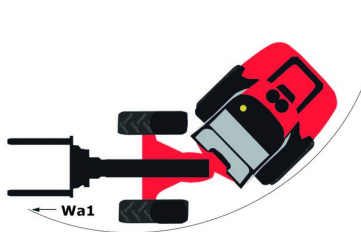
MLA-T 533-145 V+ - ST5



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Static tipping load with forks (straight)		10975 lb
Static tipping load with forks (full turn)		9143 lb
Max. payload with forks as per EN 474-3 (80%)		7275 lb
Max. lifting height (below forks)	h3	17 ft 1 in
Max. outreach		10 ft 10 in
Reach at max. height		3 ft 11 in
Breakout force with bucket		6730 daN
Weight and dimensions		
Unladen weight (with forks) with 2-post canopy		5 lb
Unladen weight (with forks) with 4-post canopy		18585 lb
Unladen weight (with forks)		18585 lb
Overall length to carriage (with hitch)	l11	18 ft 9 in
Wheelbase	y	8 ft 2 in
Overall height with cab	h17	8 ft 10 in
Tilt-up angle	a4	9 °
Tilt-down angle	a5	156 °
External turning radius (over tyres)	Wa1	13 ft 9 in
Articulation angle	a19	45 °
Overall width less bucket	b1	7 ft 6 in
Overall length - Less Bucket	l2	18 ft 9 in
Standard tyres		Alliance - A580 - 460/70 R24 159A8
Ground clearance	m4	1 ft 3 in
Performances		
Crowd		3.50 s
Dump		2.70 s
Engine		
Engine brand		Deutz
Engine model		TCD_4.1_L4
Number of cylinders / Capacity of cylinders		4 - 246 in³
I.C. Engine power rating / Power (kW)		143 Hp / 105 kW
Max. torque / Engine rotation		406 ft/lbs / 1600 rpm
Engine cooling system		3 water radiators + air + hydraulic oil
Transmission		
Transmission type		M-Varioshift
Max. travel speed (may vary according to applicable regulations)		25 mi/h
Differential lock		Limited slip differential on front and rear axles
Parking brake		Manual
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		42 US gpm / 3916 PSI
Tank capacities		
Hydraulic oil		40 US gal
Fuel tank		40 US gal
Diesel Exhaust fluid (AdBlue® type)		3 US gal
Noise and vibration		
Noise at driving position (LpA) tested following NF EN 12053 norm		72 dB
Noise to environment (LwA)		107 dB
Vibration to whole hand/arm		< 2.50 m/s²
Miscellaneous		
Safety cab homologation		Cabin ROPS - FOPS Level 2

MLA-T 533-145 V+ - ST5 - Dimensional drawing





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