

Technical sheet :

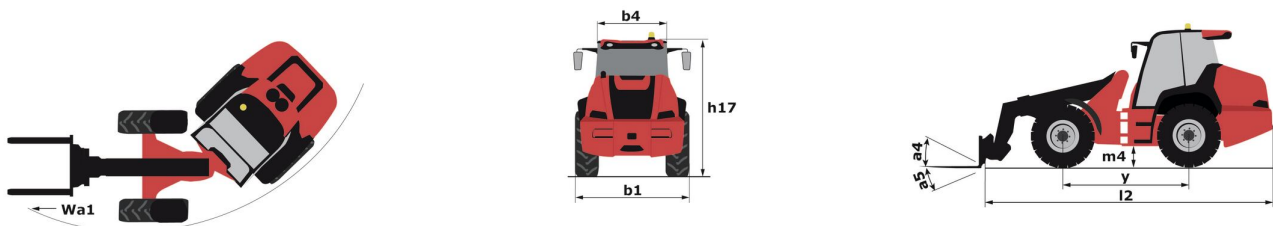
MLA-T 533-145 V+ - ST5



 **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 tires		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
Engine norm		Stage V
Number of cylinders / Capacity of cylinders		4 - 246 in³
I.C. Engine power rating / Power		143 Hp / 105 kW
Max. torque / Engine rotation		406 ft/lbs / 1600 rpm
Engine cooling system		3 radiators water + intercooler + hydraulic oil
Transmission		
Transmission type		M-Varioshift
Max. travel speed (may vary according to applicable regulations)		25 mph
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		ROPS - FOPS level 2 cab

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





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