

Technical sheet :

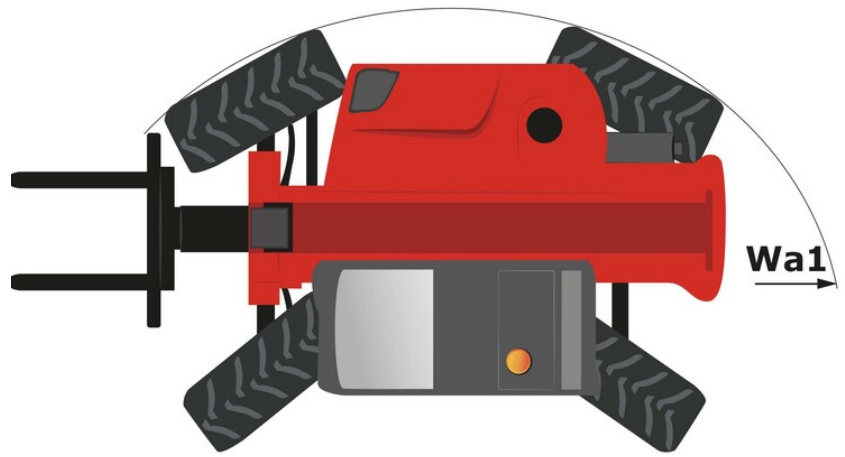
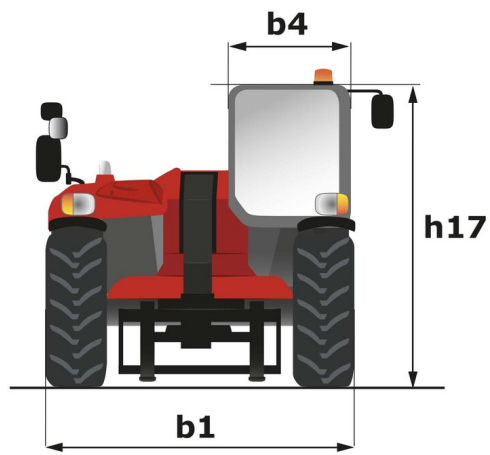
MLT 845-120



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	4500 kg	9921 lb
Max. lifting height	h3	7.55 m	24 ft 9 in
Max. outreach		4.57 m	15 ft
Reach at max. height		1.55 m	5 ft 1 in
Breakout force with bucket		6650 daN	6650 daN
Weight and dimensions			
Unladen weight (with forks)		9130 kg	20128 lb
Ground clearance	m4	0.45 m	1 ft 6 in
Wheelbase	y	2.77 m	9 ft 1 in
Overall length to carriage (with hitch)	l11	5.22 m	17 ft 2 in
Front overhang		1.39 m	4 ft 7 in
Overall width	b1	2.42 m	7 ft 11 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.58 m	8 ft 6 in
Tilt-down angle	a5	130 °	130 °
Tilt-up angle	a4	10 °	10 °
External turning radius (over tyres)	Wa1	4.18 m	13 ft 9 in
Standard tires		Alliance - A580 - 460/70 R24 159A8	Alliance - A580 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Performances			
Lifting		10 s	10 s
Lowering		6.50 s	6.50 s
Extension		11 s	11 s
Retraction		10 s	10 s
Crowd		4 s	4 s
Dump		3 s	3 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage IV	Stage IV
Engine model		TCD 3.6 l	TCD 3.6 l
Number of cylinders - Capacity of cylinders		4 - 3600 cm³	4 - 220 in³
I.C. Engine power rating / Power		121 Hp / 90 kW	121 Hp / 90 kW
Max. torque / Engine rotation		480 Nm @1600 rpm	354 ft/lbs @1600 rpm
Drawbar pull (Laden)		10200 daN	10200 daN
Reversible fan		Standard	Standard
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)	4 radiators (water + intercooler + hydraulic oil + transmission oil)
Transmission			
Transmission type		Torque converter	Torque converter
Gearbox		Powershuttle	Powershuttle
Number of gears (forward / reverse)		4 / 4	4 / 4
Max. travel speed (may vary according to applicable regulations)		32 km/h	20 mph
Differential lock		Limited slip differential on front axle	Limited slip differential on front axle
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs on front & rear axles	Oil-immersed multi-discs on front & rear axles
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow - Pressure		150 l/min - 270 bar	40 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities			
Hydraulic oil		131 l	35 US gal
Fuel tank		135 l	36 US gal
Diesel Exhaust fluid (AdBlue® type)		10 l	3 US gal
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		79 dB	79 dB
Noise to environment (LwA)		103 dB	103 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation			
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Controls		JSM	JSM

MLT 845-120 - Dimensional drawing





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