Technical sheet :

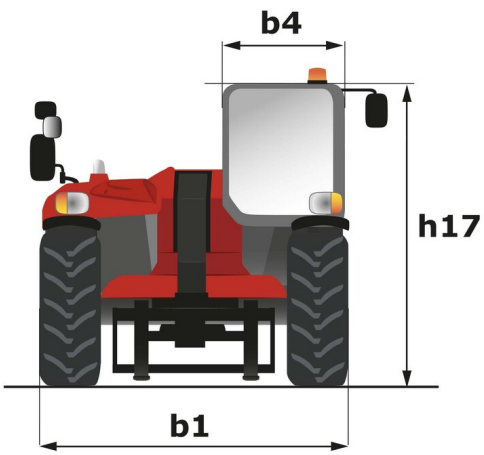
MLT 845-120

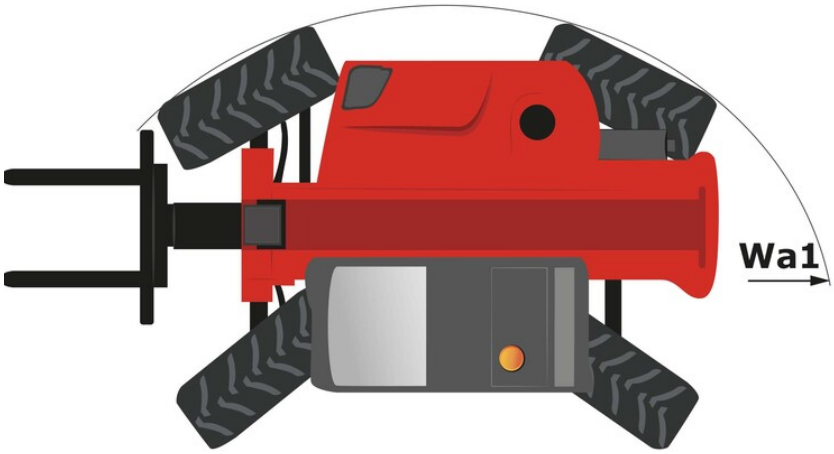


MANITOU
HANDLING YOUR WORLD

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
Environmental noise (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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