

Technical sheet :

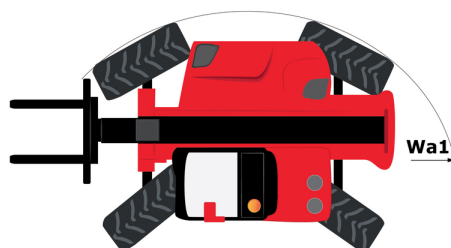
MLT 961-145 V+ L



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	6000 kg	13228 lb
Max. lifting height	h3	9 m	29 ft 6 in
Max. outreach		5.30 m	17 ft 5 in
Reach at max. height		1.10 m	3 ft 7 in
Breakout force with bucket		7300 daN	7300 daN
Weight and dimensions			
Unladen weight (with forks)		11800 kg	26015 lb
Ground clearance	m4	0.45 m	1 ft 6 in
Wheelbase	y	3 m	9 ft 10 in
Overall length to carriage (with hitch)	l11	6.10 m	20 ft
Front overhang		1.65 m	5 ft 5 in
Overall width	b1	2.48 m	8 ft 2 in
Overall cab width	b4	1 m	3 ft 3 in
Overall height	h17	2.53 m	8 ft 4 in
Tilt-down angle	a5	138 °	138 °
Tilt-up angle	a4	12 °	12 °
External turning radius (over tyres)	Wa1	4.30 m	14 ft 1 in
Standard tires		Alliance - A580 - 500/70 R24 164A8	Alliance - A580 - 500/70 R24 164A8
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Performances			
Lifting		8.50 s	8.50 s
Lowering		6.50 s	6.50 s
Extension		7 s	7 s
Retraction		6 s	6 s
Crowd		3.80 s	3.80 s
Dump		3.60 s	3.60 s
Engine			
Engine brand		John Deere	John Deere
Engine norm		Stage IV / Tier 4 Final	Stage IV / Tier 4 Final
Engine model		PWL 4045	PWL 4045
Number of cylinders - Capacity of cylinders		4 - 4500 cm³	4 - 275 in³
I.C. Engine power rating / Power		141 Hp / 104 kW	141 Hp / 104 kW
Max. torque / Engine rotation		540 Nm @1500 rpm	398 ft/lbs @1500 rpm
Drawbar pull (Laden)		9300 daN	9300 daN
Reversible fan		Standard	Standard
Engine cooling system		3 radiators water + intercooler + hydraulic oil	3 radiators water + intercooler + hydraulic oil
Transmission			
Transmission type		M-Vario Plus	M-Vario Plus
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 mph
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-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		200 l/min - 270 bar	53 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities			
Hydraulic oil		153 l	40 US gal
Fuel tank		135 l	36 US gal
Diesel Exhaust fluid (AdBlue® type)		12 l	3 US gal
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		72 dB	72 dB
Noise to environment (LwA)		105 dB	105 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation		Tractor homologation	Tractor homologation
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Controls		JSM	JSM

MLT 961-145 V+ L - Dimensional drawing





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