

Technical sheet :

MLT 1040-145 PS+ L



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity	Q	8818 lb
Max. lifting height	h3	31 ft 6 in
Max. outreach		21 ft 6 in
Reach at max. height		4 ft 11 in
Breakout force with bucket		5500 daN
Weight and dimensions		
Unladen weight (with forks)		20227 lb
Ground clearance	m4	1 ft 5 in
Wheelbase	y	9 ft 5 in
Overall length to carriage (with hitch)	l11	17 ft
Front overhang		4 ft 2 in
Overall width	b1	7 ft 10 in
Overall cab width	b4	3 ft 3 in
Overall height	h17	7 ft 10 in
Tilt-down angle	a5	135 °
Tilt-up angle	a4	12 °
External turning radius (over tyres)	Wa1	12 ft 3 in
Standard tires		Trelleborg - TH400 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Performances		
Lifting		8.34 s
Lowering		5.36 s
Extension		11.30 s
Retraction		9 s
Crowd		3.80 s
Dump		2.60 s
Engine		
Engine brand		John Deere
Engine norm		Stage IV / Tier 4 Final
Engine model		PWL 4045
Number of cylinders - Capacity of cylinders		4 - 275 in³
I.C. Engine power rating / Power		141 Hp / 104 kW
Max. torque / Engine rotation		398 ft/lbs @1600 rpm
Drawbar pull (Laden)		9300 daN
Reversible fan		Standard
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)
Transmission		
Transmission type		Torque converter
Gearbox		M-Shift
Number of gears (forward / reverse)		5 / 3
Max. travel speed (may vary according to applicable regulations)		25 mph
Differential lock		Limited slip differential on front and rear axles
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs on front & rear axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		53 US gpm - 3916 PSI
Flow sharing distributor		Standard
Tank capacities		
Hydraulic oil		41 US gal
Fuel tank		33 US gal
Diesel Exhaust fluid (AdBlue® type)		3 US gal
Noise and vibration		
Noise at driving position (LpA) tested following NF EN 12053 nom		74 dB
Noise to environment (LwA)		105 dB
Vibration to whole hand/arm		< 2.50 m/s²
Miscellaneous		
Tractor homologation		Tractor homologation
Safety cab homologation		ROPS - FOPS level 2 cab
Controls		JSM

Options / Finishing

S : Standard / O : Optional / - : Not available

	Classic	Premium	Elite
Lifting function			
Easy Connect System (ECS)	S	S	S
Electric predisposition on the top of the boom	O	O	O
Electrovalve for 2 hydraulic functions (on boom head)	O	O	O
Hydraulic attachment locking	O	O	O
Intelligent hydraulics	O	O	S
Regenerative Hydraulics	O	S	S
Return pipe to hydraulic oil tank	O	O	O
Operator station			
"Active CRC" boom suspension	O	O	S
Air conditioning with manual adjustment	O	S	S
Air suspension cloth-covered seat (GRAMMER)	O	S	-
Automatic wheel alignment	O	O	S
Bluetooth USB car radio with extra microphone (100 W)	O	O	S
Bluetooth USB car radio with integrated microphone (100 W)	O	S	-
Electric mirror with de-icing	O	O	S
Hand throttle with engine memo	O	O	S
Lateral wiper	S	S	S
Mechanical cloth-covered seat (GRAMMER)	S	-	-
Roof wiper	S	S	S
Tuner car radio (50 W)	S	-	-
Motorization/Power			
Continuous flow hydraulics	O	O	S
Secondary functions			
1 pair of pre-fitted Double Action rear hydraulic couplers	O	O	O
Automatic rotating towing hitch on counterweight	O	O	O
Hydraulic trailer brake	O	O	O
Manual rotating towing hitch	S	S	S
Lighting			
Front and rear LED work lights on cab (x4 : 2 front + 2 rear)	-	S	S
Front and rear work lights on cab (x4)	S	-	-
LED + (4 additional work lights)	O	O	S
Security			
Audio warning on reverse	O	O	O
Rear windscreen defrost	S	S	S



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