

Technical sheet :

MLT 840-145 PS+



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	4000 kg	8818 lb
Max. lifting height	h3	7.55 m	24 ft 9 in
Max. outreach		4.45 m	14 ft 7 in
Reach at max. height		0.90 m	2 ft 11 in
Breakout force with bucket		5500 daN	5500 daN
Weight and dimensions			
Unladen weight (with forks)		8410 kg	18541 lb
Ground clearance	m4	0.43 m	1 ft 5 in
Wheelbase	y	2.88 m	9 ft 5 in
Overall length to carriage (with hitch)	l11	5.37 m	17 ft 7 in
Front overhang		1.47 m	4 ft 10 in
Overall width	b1	2.39 m	7 ft 10 in
Overall cab width	b4	1 m	3 ft 3 in
Overall height	h17	2.39 m	7 ft 10 in
Tilt-down angle	a5	135 °	135 °
Tilt-up angle	a4	12 °	12 °
External turning radius (over tyres)	Wa1	3.74 m	12 ft 3 in
Standard tires		Trelleborg - TH400 - 460/70 R24 159A8	Trelleborg - TH400 - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2	2 / 2
Steering wheels (front / rear)		2 / 2	2 / 2
Performances			
Lifting		6.60 s	6.60 s
Lowering		4.80 s	4.80 s
Extension		6.30 s	6.30 s
Retraction		5.20 s	5.20 s
Crowd		3 s	3 s
Dump		2.40 s	2.40 s
Engine			
Engine brand		John Deere	John Deere
Engine norm		Stage IV / Tier 4 Final	Stage IV / Tier 4 Final
Engine model		PWL4045	PWL4045
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 @1600 rpm	398 ft/lbs @1600 rpm
Drawbar pull (Laden)		9300 daN	9300 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		M-Shift	M-Shift
Number of gears (forward / reverse)		5 / 3	5 / 3
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 mph
Differential lock		Limited slip differential on front and rear axles	Limited slip differential on front and rear axles
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		200 l/min - 270 bar	53 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities			
Hydraulic oil		156 l	41 US gal
Fuel tank		126 l	33 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		74 dB	74 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

Options / Finishing

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

	Classic	Premium	Elite
Lifting function			
Attachment hydraulic line	S	S	-
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
Pre fitted electric supply to the top of the boom (on fixed part)	O	O	-
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	-
CD MP3 car radio	S	-	-
Electric mirror with de-icing	O	O	S
Hand throttle with engine memo	O	O	S
Joystick Switch and Move (JSM)	S	S	-
Lateral wiper	S	S	S
Low frequency pneumatic cloth seat with heating (KAB)	O	-	-
Mechanical cloth-covered seat (GRAMMER)	S	-	-
Roof wiper	S	S	S
SafeView camera pack (x2)	O	O	-
Tuner car radio (50 W)	S	-	-
Motorization/Power			
Auto Reversing Fan	S	-	-
Centralized greasing points	S	S	-
Continuous flow hydraulics	O	O	S
Ecostop	O	O	-
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 pick-up hitch	-	O	-
Hydraulic trailer brake	O	O	O
Ladder hitch with choice of hooks	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
Ied front road lights	O	O	-
Rear electric plug	S	S	-
Security			
Audio warning on reverse	O	O	O
Rear windscreen defrost	S	S	S
Windshield protection grid	O	-	-



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