

Technical sheet :

MLT-X 840-140 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		5522 daN	5522 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 IIIA	Stage IIIA
Engine model		PWL 4045	PWL 4045
Number of cylinders - Capacity of cylinders		4 - 4500 cm³	4 - 275 in³
I.C. Engine power rating / Power		137 Hp / 102 kW	137 Hp / 102 kW
Max. torque / Engine rotation		545 Nm @1500 rpm	402 ft/lbs @1500 rpm
Drawbar pull (Laden)		9390 daN	9390 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
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



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