

Technical sheet :

MLT-X 735 T LSU



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	3500 kg	7716 lb
Max. lifting height	h3	6.90 m	22 ft 8 in
Max. outreach		3.90 m	12 ft 10 in
Reach at max. height		1 m	3 ft 3 in
Breakout force with bucket		6825 daN	6825 daN
Weight and dimensions			
Unladen weight (with forks)		7075 kg	15598 lb
Ground clearance	m4	0.44 m	1 ft 5 in
Wheelbase	y	2.81 m	9 ft 3 in
Overall length to carriage (with hitch)	l11	4.79 m	15 ft 9 in
Overall length to carriage (without hitch)	l3	4.76 m	15 ft 7 in
Front overhang		1.19 m	3 ft 11 in
Overall width	b1	2.40 m	7 ft 10 in
Overall cab width	b4	0.98 m	3 ft 3 in
Overall height	h17	2.30 m	7 ft 7 in
Tilt-down angle	a5	134 °	134 °
Tilt-up angle	a4	13 °	13 °
External turning radius (over tyres)	Wa1	3.86 m	12 ft 8 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		7.30 s	7.30 s
Lowering		5.60 s	5.60 s
Extension		8.20 s	8.20 s
Retraction		6.60 s	6.60 s
Crowd		3.20 s	3.20 s
Dump		2.70 s	2.70 s
Engine			
Engine brand		Perkins	Perkins
Engine norm		Stage IIIA	Stage IIIA
Max. fuel sulphur content		5000 ppm	5000 ppm
Engine model		1104D-44 TA	1104D-44 TA
Number of cylinders - Capacity of cylinders		4 - 4400 cm³	4 - 269 in³
I.C. Engine power rating / Power		101 Hp / 74.50 kW	101 Hp / 74.50 kW
Max. torque / Engine rotation		410 Nm @1400 rpm	302 ft/lbs @1400 rpm
Drawbar pull (Laden)		8200 daN	8200 daN
Reversible fan		Standard	Standard
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)		35 km/h	22 mph
Differential lock		Limited slip differential on front axle	Limited slip differential on front axle
Parking brake		Manual	Manual
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		108 l/min - 270 bar	29 US gpm - 3916 PSI
Flow sharing distributor		Standard	Standard
Tank capacities			
Hydraulic oil		135 l	36 US gal
Fuel tank		120 l	32 US gal
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		76 dB	76 dB
Noise to environment (LwA)		104 dB	104 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation			
Controls		JSM	JSM

Optional tires tab

Optional tires	Overall height	Overall width
FIRESTONE - R8000 UT - 460/70 R24 159A8	7 ft 7 in (2.30 m)	7 ft 10 in (2.40 m)
NOKIAN - TRI STEEL - 460/65 R24 156A8	7 ft 5 in (2.27 m)	7 ft 10 in (2.38 m)
MICHELIN - XHA - 15.5 R25 158A2	7 ft 6 in (2.28 m)	7 ft 10 in (2.38 m)

Options / Finishing

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

	Classic	Premium	Elite
Lifting function			
Boom suspension	O	O	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
Return pipe to hydraulic oil tank	O	O	O
Operator station			
Air conditioning with manual adjustment	O	S	S
Air suspension cloth-covered seat	O	S	-
Bluetooth CD MP3 radio	O	O	S
CD MP3 car radio	O	S	-
Cyclonic air pre-filter	S	S	O
Low frequency air suspension cloth seat with heating	O	O	S
Mechanical cloth-covered seat	S	-	-
Tuner car radio (50 W)	S	-	-
Motorization/Power			
Attachment hydraulic flow control system	O	O	O
Continuous flow hydraulics	O	O	O
Self cleaning air prefilter	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
Manual rotating towing hitch	S	S	S
Lighting			
Front and rear LED work lights on cab (x4 : 2 front + 2 rear)	O	O	O
Work lights on boom head (x2)	O	O	O
Security			
Audio warning on reverse	O	O	O

MLT-X 735 T LSU - Dimensional drawing





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