Technical sheet :

MLT-X 735 T LSU



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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
Environmental noise (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

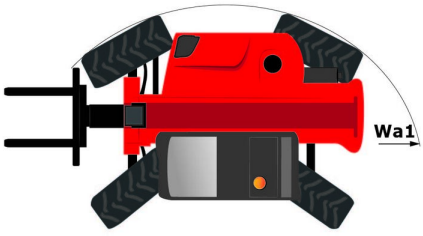
Optional tires	Overall height	Overall width
FIRESTONE - R8000 UT - 460/70 R24 159A8	7 ft 7 in (2.30 m)	7 ft 10 in (2.40 m)
NOKIAN - TRI STEEL - 460/65 R24 156A8	7 ft 5 in (2.27 m)	7 ft 10 in (2.38 m)
MICHELIN - XHA - 15.5 R25 158A2	7 ft 6 in (2.28 m)	7 ft 10 in (2.38 m)

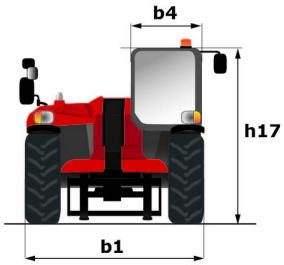
Options / Finishing

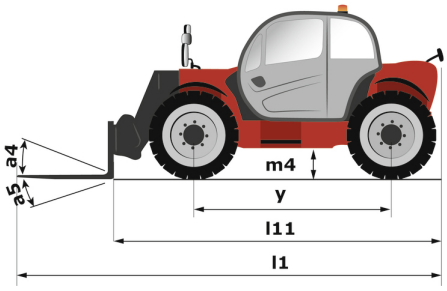
S : Standard / O : Optional / - : Not available

	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







MANITOU
HANDLING YOUR WORLD

Head Office
B.P. 249 - 430 rue de l'Aubinière
44150 Ancenis Cedex - France
Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com



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