

Technical sheet :

MLT-X 1035 LT LSU



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	3500 kg	7716 lb
Max. lifting height	h3	9.60 m	31 ft 6 in
Max. outreach		7.06 m	23 ft 2 in
Reach at max. height		2.75 m	9 ft
Breakout force with bucket		6000 daN	6000 daN
Weight and dimensions			
Unladen weight (with forks)		8375 kg	18464 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	5.09 m	16 ft 8 in
Overall length to carriage (without hitch)	l3	4.98 m	16 ft 4 in
Front overhang		1.39 m	4 ft 7 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	119 °	119 °
Tilt-up angle	a4	8 °	8 °
External turning radius (over tyres)	Wa1	3.92 m	12 ft 10 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		6.60 s	6.60 s
Lowering		5.20 s	5.20 s
Extension		14.70 s	14.70 s
Retraction		10.60 s	10.60 s
Crowd		2.80 s	2.80 s
Dump		2.50 s	2.50 s
Engine			
Engine brand		Perkins	Perkins
Engine nom		Stage IIIA	Stage IIIA
Max. fuel sulphur content		5000 ppm	5000 ppm
Engine model		1104D-44TA	1104D-44TA
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)		6680 daN	6680 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		110 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		78 dB	78 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)

MLT-X 1035 LT LSU - Dimensional drawing





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