Technical sheet :

MLT-X 741-140 V+ S1



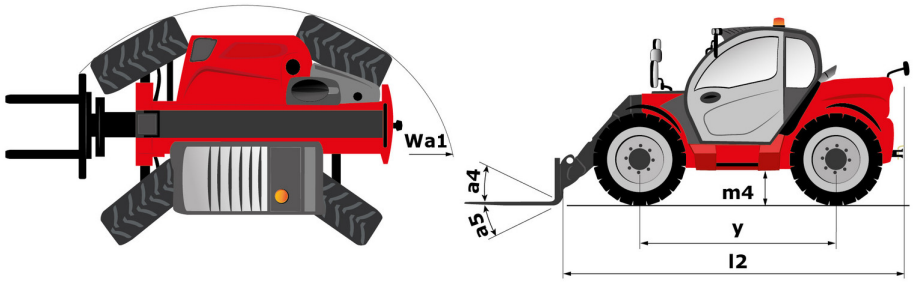
MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	4100 kg	9039 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
Weight and dimensions			
Unladen weight (with forks)		7655 kg	16876 lb
Ground clearance	m4	0.41 m	1 ft 4 in
Wheelbase	y	2.81 m	9 ft 3 in
Overall length to carriage (with hitch)	l11	4.97 m	16 ft 4 in
Front overhang		1.21 m	4 ft
Overall width	b1	2.39 m	7 ft 10 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.38 m	7 ft 10 in
Tilt-down angle	a5	134 °	134 °
Tilt-up angle	a4	12 °	12 °
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		7.80 s	7.80 s
Lowering		6 s	6 s
Extension		8.30 s	8.30 s
Retraction		7.20 s	7.20 s
Crowd		3.40 s	3.40 s
Dump		2.90 s	2.90 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage IIIA	Stage IIIA
Engine model		TDC 3,6 l	TDC 3,6 l
Number of cylinders - Capacity of cylinders		4 - 3621 cm³	4 - 221 in³
I.C. Engine power rating / Power		136 Hp / 100 kW	136 Hp / 100 kW
Max. torque / Engine rotation		500 Nm @1600 rpm	369 ft/lbs @1600 rpm
Drawbar pull (Laden)		7400 daN	7400 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		M-Vario Plus	M-Vario Plus
Max. travel speed (may vary according to applicable regulations)		40 km/h	25 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		170 l/min - 270 bar	45 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		72 dB	72 dB
Environmental noise (LwA)		106 dB	106 dB
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Tractor homologation			
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Controls		JSM	JSM

Optional tires tab

Optional tires	Overall height	Overall width
ALLIANCE - A580 - 460/70 R24 159A8	7 ft 10 in (2.38 m)	7 ft 10 in (2.39 m)
FIRESTONE - R8000 UT - 460/70 R24 159A8	7 ft 10 in (2.39 m)	7 ft 11 in (2.42 m)
TRELLEBORG - TH400 - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
TRELLEBORG - TH400 - 500/70 R24 164A8	7 ft 10 in (2.39 m)	7 ft 11 in (2.42 m)
MICHELIN - XMCL - 500/70 R24 164A8	7 ft 10 in (2.39 m)	8 ft (2.43 m)
MICHELIN - BIBLOAD - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
MICHELIN - BIBLOAD - 500/70 R24 164A8	7 ft 10 in (2.39 m)	8 ft (2.43 m)
MICHELIN - XHA - 15.5 R25 158A2	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
NOKIAN - TRI STEEL - 460/65 R24 156A8	7 ft 9 in (2.36 m)	7 ft 10 in (2.40 m)
MICHELIN - XMCL - 460/70 R24 159A8	7 ft 9 in (2.37 m)	7 ft 10 in (2.40 m)
VREDESTEIN - ENDURION - 460/70 R24 159A8	7 ft 10 in (2.38 m)	7 ft 11 in (2.41 m)
VREDESTEIN - ENDURION - 500/70 R24 164A8	7 ft 11 in (2.41 m)	8 ft (2.44 m)

MLT-X 741-140 V+ S1 - Dimensional drawing



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