

Technical sheet :

# MLT 961-160 V+ L



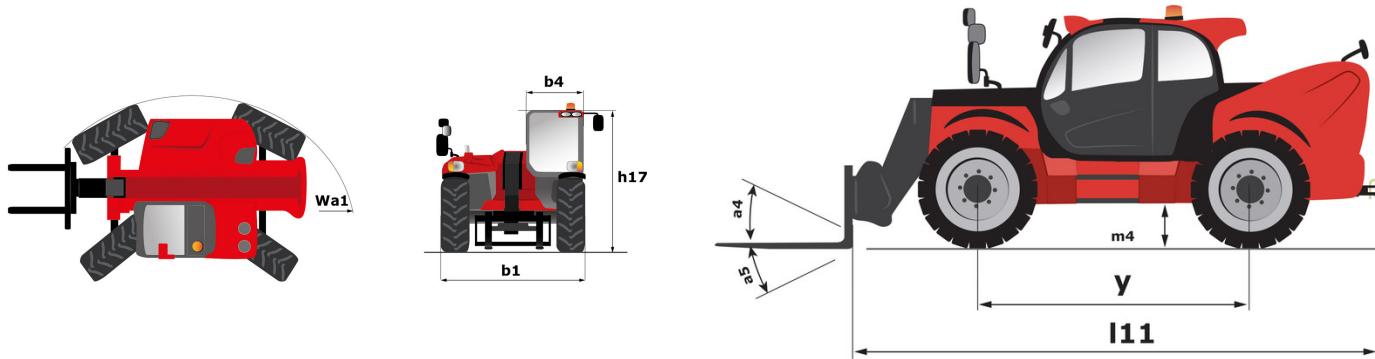
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Capacities		Metric	
Max. capacity	Q	6000 kg	
Max. lifting height	h3	9 m	
Maximum outreach		5.30 m	
Reach at max. height		1.10 m	
Breakout force with bucket		7300 daN	
Weight and dimensions			
Unladen weight (with forks)		11950 kg	
Ground clearance	m4	0.45 m	
Wheelbase	y	3 m	
Overall length to carriage (with hitch)	l11	6.10 m	
Overall length to carriage (without hitch)	l3	5.97 m	
Front overhang		1.65 m	
Overall width	b1	2.48 m	
Overall cab width	b4	0.99 m	
Overall height	h17	2.55 m	
Tilt-down angle	a5	135 °	
Tilt-up angle	a4	12 °	
External turning radius (over tyres)	Wa1	4.30 m	
Standard tires		Alliance - A580 - 500/70 R24 164A8	
Drive wheels (front / rear)		2 / 2	
Steering mode		Manicrab, 2 wheel steer, 4 wheel steer, Crab mode	
Frame leveling corrector	a9	7 °	
Performances			
Lifting		8.50 s	
Lowering		6.50 s	
Extension		7 s	
Retraction		6 s	
Crowd		3.80 s	
Dump		3.60 s	
Engine			
Engine brand		Yanmar	
Engine norm		Stage V / Tier 4 Final	
Engine model		4TN107FTT-5MUF	
Number of cylinders - Capacity of cylinders		4 - 4567 cm³	
Engine power (Hp / kW)		156 Hp / 115 kW	
Max. torque / Engine rotation		805 Nm @1350 rpm	
Drawbar pull (Laden)		9700 daN	
Reversible fan		Standard	
Engine cooling system		3 radiators water + intercooler + transmission oil	
Transmission			
Transmission type		M-Vario Plus	
Max. travel speed (may vary according to applicable regulations)		40 km/h	
Parking brake		Automatic negative parking brake	
Service brake		Oil-immersed multi-discs braking on front & rear axles	
Hydraulics			
Hydraulic pump type		Variable displacement pump	
Hydraulic flow - Pressure		200 l/min - 270 bar	
Flow sharing distributor		Standard	
Tank capacities			
Hydraulic tank capacity		180 l	
Fuel		142 l	
Diesel Exhaust fluid (AdBlue® type)		21.50 l	
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		69 dB	
Noise to environment (LwA)		105 dB	
Vibration on hands/arms		< 2.50 m/s²	
Miscellaneous			
Tractor homologation		Tractor homologation	
Cab certification		Cabin ROPS - FOPS level 2	
Controls		JSM	

## Optional tires tab

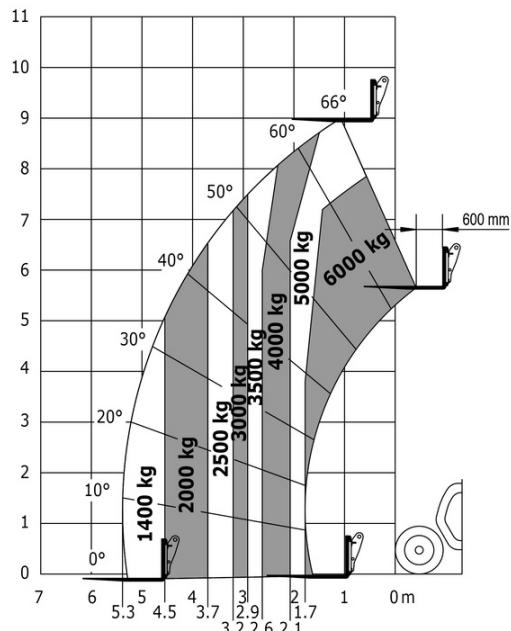
	Overall height	Overall width
ALLIANCE - EM L-3/E3 - 17.5 R25	-	-
MICHELIN - BIBLOAD - 500/70 R24 164A8	-	-
MICHELIN - XHA - 17.5 R25	-	-
MICHELIN - XMCL - 500/70 R24 164A8	-	-
MITAS - EM60 - 17.5 R25	-	-
NOKIAN - TRI STEEL - 500/70 R24 164A8	-	-
SOLIDEAL - SOLIDAIR TLH - 14.00 R24	-	-
TRELLEBORG - TH400 - 500/70 R24 164A8	-	-
VREDESTEIN - ENDURION - 500/70 R24 164A8	-	-

## MLT 961-160 V+L - Dimensional drawing

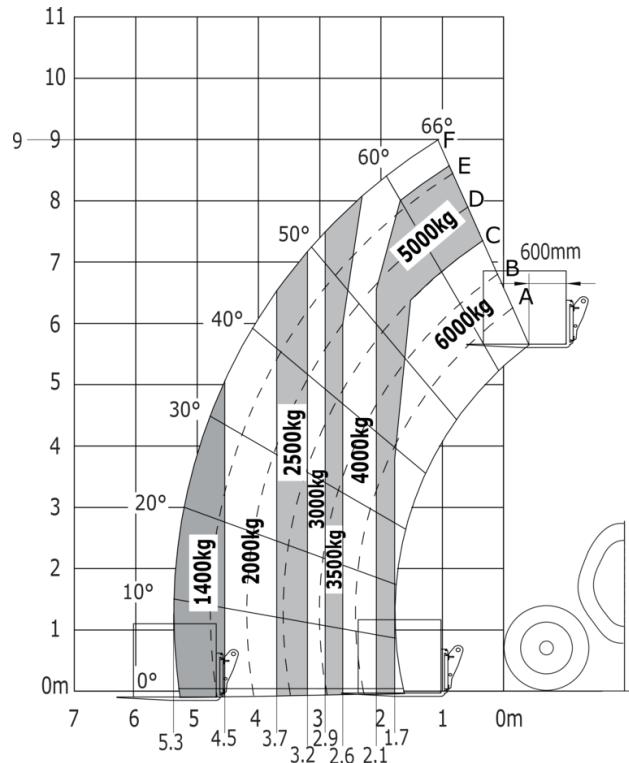


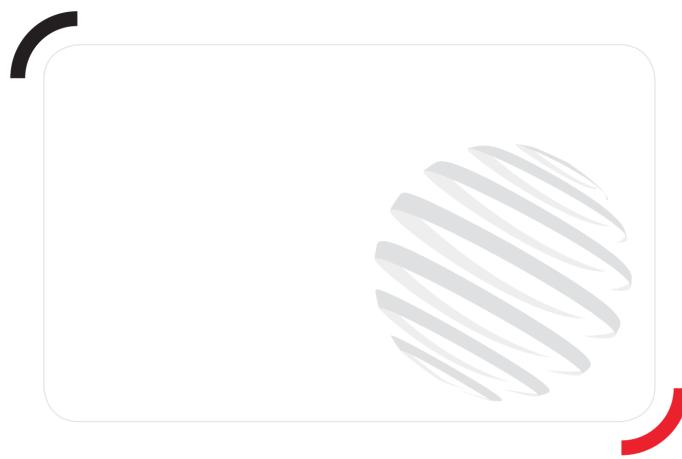
## MLT 961-160 V+L - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric





# **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](http://www.manitou.com)



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