

MANITOU MLT-X 961-160 V+ L

6 TONNE / 9 M AGRICULTURAL TELEHANDLER



Representative Manitou model image

CAPACITY AT A GLANCE

6,000 kg

maximum rated capacity - configuration dependent

9.00 m

maximum lifting height

6,000

MAX. CAPACITY
kg rated load

9.00

MAXIMUM LIFT
m lifting height

5.30

MAX. OUTREACH
m horizontal reach

11,950

UNLADEN WEIGHT
kg with forks

CAPACITY AND REACH

Maximum rated capacity	6,000 kg
Maximum lift height	9.00 m
Maximum outreach	5.30 m
Capacity at max. reach	Refer to load chart
Capacity at max. height	Refer to load chart
Load chart / configuration	See supporting pages
Weight - with forks	11,950 kg

ENGINE AND DRIVELINE

Engine brand	Yanmar
Engine model	4TN107TT-5SMUF
Emission standard	Stage IIIA
Engine power	156 hp / 115 kW
Torque	805 Nm @ 1,350 rpm
Transmission	M-Vario Plus
Drive wheels - front / rear	2 / 2

DIMENSIONS

Length to carriage - with hitch	6.10 m
Length to carriage - no hitch	5.97 m
Overall width	2.48 m
Overall height	2.55 m
Wheelbase	3.00 m
Ground clearance	0.45 m
Turning radius - over tyres	4.30 m

PERFORMANCE AND HYDRAULICS

Maximum travel speed	40 km/h
Lift / lower time	8.50 / 6.50 s
Extend / retract time	7 / 6 s
Hydraulic flow / pressure	200 L/min / 270 bar
Drawbar pull - laden	9,700 daN
Fuel tank	142 L
Hydraulic tank	180 L



CAPACITY AND CONFIGURATION NOTE

Maximum capacity, lift height and outreach are separate limits. Use the load chart for the fitted attachment and operating configuration.

MANITOU MLT-X 961-160 V+ L

MANUFACTURER SPECIFICATIONS / CONFIGURATION REFERENCE

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 nom		Stage IIIA
Max. fuel sulphur content		1000 ppm
Engine model		4TN107TT-SSMUF
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
Noise and vibration		
Noise at driving position (LpA) tested following NF EN 12053 nom		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

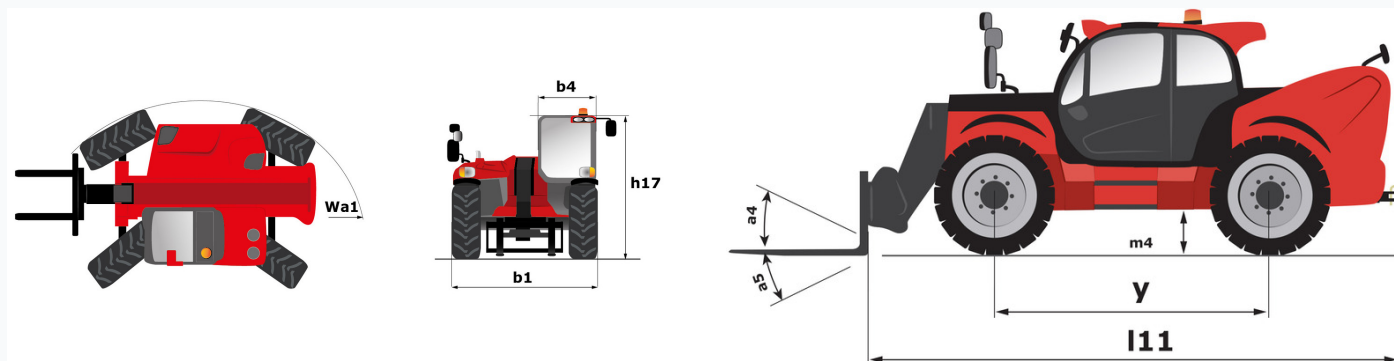
	Overall height	Overall width
ALLIANCE - A580 - 500/70 R24	-	-
ALLIANCE - EM L-3/E3 - 17.5 R25	-	-
MICHELIN - BIBLOAD - 500/70 R24 164A8	-	-
MICHELIN - XHA - 17.5 R25	-	-
MICHELIN - XMCL - 500/70 R24 164A8	-	-
MITAS - EM60 - 17.5 R25	-	-
NOKIAN - TRI STEEL - 500/70 R24 164A8	-	-
SOLIDEAL - SOLIDAIR TLH - 14.00 R24	-	-
TRELLEBORG - TH400 - 500/70 R24 164A8	-	-
VREDESTEIN - ENDURIUM - 500/70 R24 164A8	-	-

Manufacturer options and charts are reproduced for reference. Confirm the fitted configuration, tyres and attachment.

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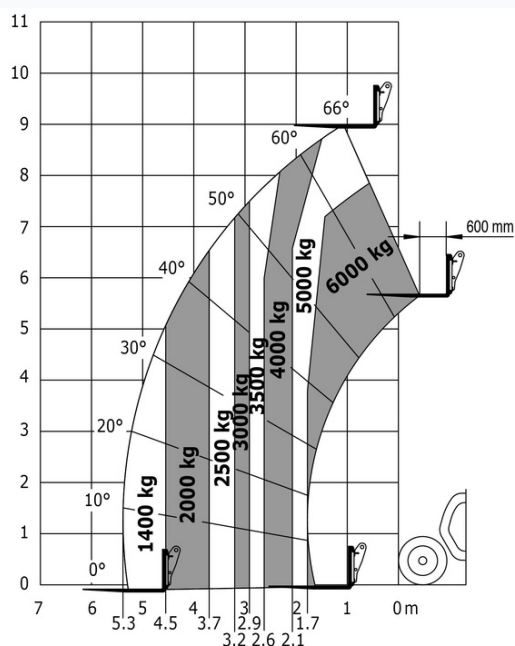
MANUFACTURER SPECIFICATIONS / CONFIGURATION REFERENCE

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

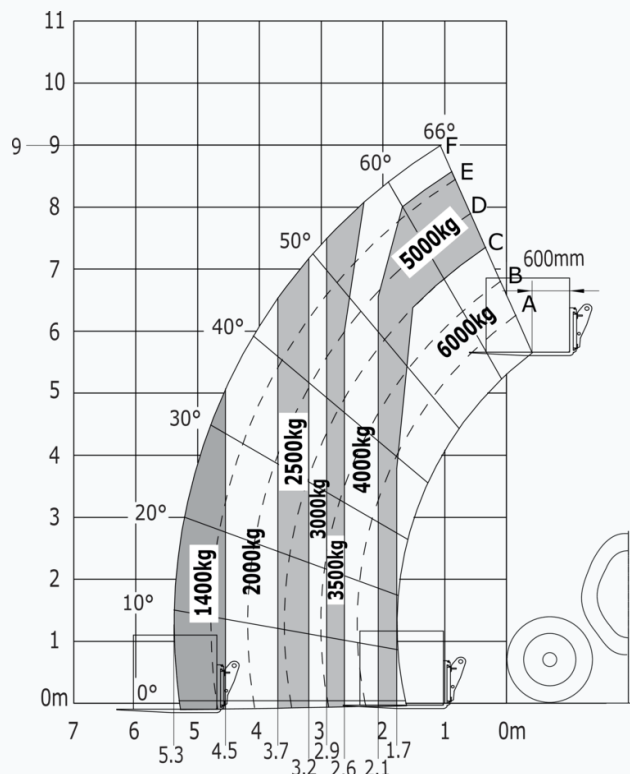


MLT-X 961-160 V+ L - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric



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