

Technical sheet :

160 ATJ+ E



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.22 m
Floor height (access)	h20	0.42 m
Platform height	h7	14.22 m
Max. outreach		8.34 m
Overhang		7.60 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+66.50 ° / 65.80 °
Platform capacity	Q	408 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		3 / 3
Weight and dimensions		
Platform weight*		7790 kg
Platform dimensions (length x width)	lp / ep	2.30 m x 0.90 m
Overall length	l1	6.88 m
Overall width	b1	2.38 m
Overall height	h17	2.48 m
Overall length (stowed)	l9	4.70 m
Overall height (stowed)	h18	2.94 m
Floor height (access)	h20	0.42 m
Counterweight offset (turret at 90°)	a7	0.37 m
External turning radius	Wa3	3.78 m
Ground clearance at centre of wheelbase	m2	0.36 m
Wheelbase	y	2.30 m
Performances		
Drive speed - stowed		5 km/h
Drive speed - raised		1 km/h
Gradeability		45 %
Permissible leveling		5 °
Wheels		
Tyres type		Foam-filled
Standard tyres		910 x 370 mm
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Braking wheels (front / rear)		0 / 2
Engine/Battery		
Battery voltage / capacity		48 V x 480 Ah
Integrated charger (V / A)		48 V / 60 A
Battery energy		23 kWh
Battery nominal voltage		48 V
Miscellaneous		
Ground Pressure		11.60 dan/cm2
Hydraulic Pressure		250 bar
Hydraulic tank capacity		24 l
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

*Varies according to options and standards of the country to which the machine is delivered

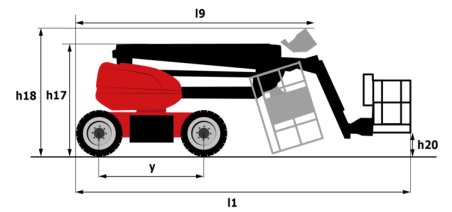
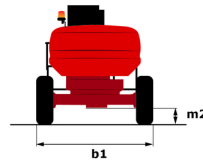
** According to "REDUCE cycle"

160 ATJ+ e - Load chart

Load Chart for AWP Metric



160 ATJ+ e - Dimensional drawing



Equipment

Standard

220V predisposition in the platform
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 Basket 1,800 mm
 CAN bus technology
 Dead man pedal
 Differential locking on rear axle
 Easy Link with 2 year Service
 Easy Manager
 Emergency stop button in platform and on frame
 Front axle with limited slip
 Fully galvanized basket with demountable floor
 Hom in the platform
 Hour meter
 LED rotating beacon
 Leveling unlocking
 Load sensing pump
 Oscillating front axle
 SPS : Secondary protection system
 Screen information in the basket
 Simplified lifting system without spreader bar
 Slings and securing rings
 Steer and rotate
 Turret orientation information

Optional

18" tyres
 Beep on every movement
 Beep on forward and backward by Lynx alarm
 Beep upon travel
 Biodegradable hydraulic oil
 Biodegradable oil
 Bottom screen protection
 Continuous turret rotation
 Digicode anti-theft device
 Easy link with access control keypad
 Easy link with remote lock
 Electric centralized filling
 External pneumatic supply source
 Fully galvanized basket 1800mm / 5'11" with lateral door
 Galvanized basket 2,100 mm
 Galvanized basket 2.100 mm / 6'11" with lateral door
 Key lock on turret cover
 Lighting pack
 Locking the telescope by parameter setting
 OSS - Operation Safety System
 Personalized paintwork
 Safety kit (Hamess + helmet)
 Water predisposition



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