

Technical sheet :

# 160 ATJ E



 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.03 m
Floor height (access)	h20	0.46 m
Platform height	h7	14.03 m
Max. outreach		8.11 m
Overhang		7.38 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+65 ° / 59.50 °
Platform capacity	Q	250 kg
Turret rotation		355 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		6220 kg
Platform dimensions (length x width)	lp / ep	1.80 m x 0.76 m
Overall length	l1	6.50 m
Overall width	b1	2.32 m
Overall height	h17	2.39 m
Overall length (stowed)	l9	4.29 m
Overall height (stowed)	h18	2.77 m
Floor height (access)	h20	0.46 m
Counterweight offset (turret at 90°)	a7	0.85 m
External turning radius	Wa3	3.75 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		937 x 298 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		240 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  
 Horn in the platform  
 Hour meter  
 LED rotating beacon  
 Large color screen on turret  
 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

## Optional

Beep on every movement  
 Beep on forward and backward by Lynx alarm  
 Beep upon travel  
 Biodegradable hydraulic 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  
 Iron wheel package  
 Key lock on turret cover  
 Lighting pack  
 Locking the telescope by parameter setting  
 Non-marking Foam Inflated Tires 910 X 370 mm / 36x15D610  
 OSS - Operation Safety System  
 Personalized paintwork  
 Safety kit (Harness + helmet)  
 Socket 230 V + differential circuit breaker  
 Water predisposition



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