

Technical sheet :

# 160 ATJ+ E

OXYGEN



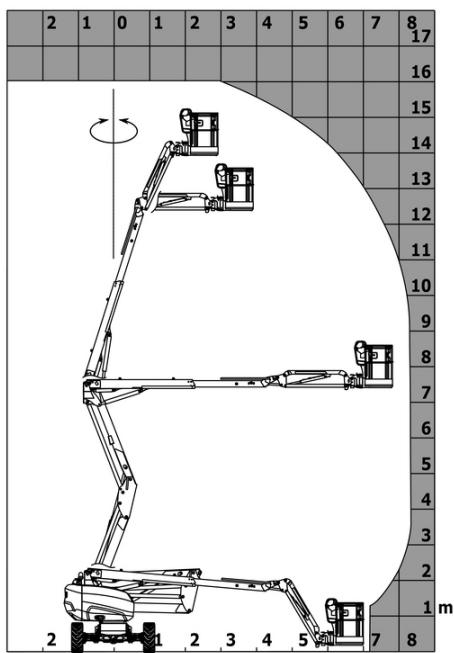
 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	16.22 m
Platform height	h7	14.26 m
Maximum outreach		8.34 m
Overhang		7.44 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)	l <sub>p</sub> / ep	2.30 m x 0.90 m
Floor height (access)	h20	0.42 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
Counterweight offset (turret at 90°)	a7	0.37 m
Counterweight Oversize / Reach		0.37 m
External turning radius	Wa3	3.78 m
Ground clearance at centre of wheelbase	m2	0.39 m
Wheelbase	y	2.30 m
Performances		
Drive speed - stowed		5.30 km/h
Drive speed - raised		0.70 km/h
Gradeability		45 %
Permissible leveling		5 °
Wheels		
Tires type		Foam Filled Non Marking
Standard tires		914 x 381 mm / 36X15D610
Drive wheels (front / rear)		2 / 2
Steering wheels (front / rear)		2 / 2
Braking wheels (front / rear)		0 / 2
Engine/Battery		
Battery voltage		48 V
Battery nominal voltage / capacity		48 V / 480 Ah
Battery energy		23 kWh
On-board charger (V / A)		48 V / 60 A
Miscellaneous		
Number of cycles with STD Battery (HIRD)		50
Hydraulic Pressure		250 bar
Hydraulic tank capacity		24 l
Noise to environment (L <sub>WA</sub> )		70 dB
Vibration on hands/arms		2.50 m/s <sup>2</sup>
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - EMC according to EN 12895 / 2015 +A1 / 2019

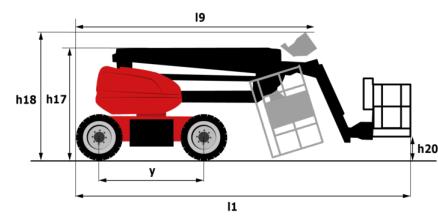
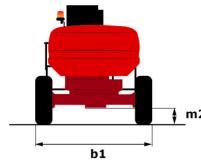
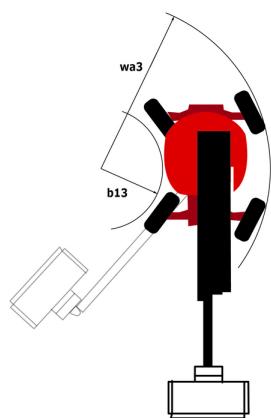
\*Varies according to options and standards of the country to which the machine is delivered  
 \*\* According to "REDUCE cycle"

## 160 ATJ+ e - Load chart

## Load Chart for MEWP 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
- CAN bus technology
- Dead man pedal
- Differential locking on rear axle
- Easy Link with 2 year Service
- Emergency stop button in platform and on frame
- Front axle with limited slip
- Horn in the platform
- Hour meter
- Integrated diagnostic assistance
- LED rotating beacon
- Large color screen on turret
- Lead acid batteries
- Load sensing pump
- Oscillating front axle
- Painted basket - For heavy loads - Width: 2300 mm (7 ft. 7 in.)
- Reserve mode
- Screen information in the basket
- Secondary Protection System (SPS)
- Simplified lifting system without spreader bar
- Slinging and securing rings
- Steer and rotate
- Tool box in platform
- Turret orientation information

## Optional

- 110 or 230V plug with differential circuit breaker
- Additional tool boxes (X2)
- Audio warning on all motion
- Audio warning on all motion - White noise
- Audio warning on translation
- Audio warning on translation - White noise
- Biodegradable hydraulic oil - Grade 32
- Digicode anti-theft device
- Earthing and shortcircuiting pre-fitting (Bolted ball)
- Easy Link - With access control keypad
- Easy link with remote lock
- Electric centralized filling
- External pneumatic supply source
- Hydraulic oil heater
- Iron wheel package
- Key lock on turret covers
- LED amber strobe light on the basket
- LED work light - On basket
- Lighting pack
- Locking the telescope by parameter setting
- OSS - Obstacle Detection
- OSS - Operation Safety System
- Painted basket 2.30 m / 7ft 7in for heavy load with lateral door
- Painted basket for heavy loads 2,300 mm (7ft 7 in.)
- Painted narrow basket for heavy loads 1800mm (5 ft 11 in.)
- Panel support kit
- Personalized paintwork
- Safety kit - Harness + helmet
- Tube support kit
- Water predisposition



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