

Technical sheet :

180 ATJ E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

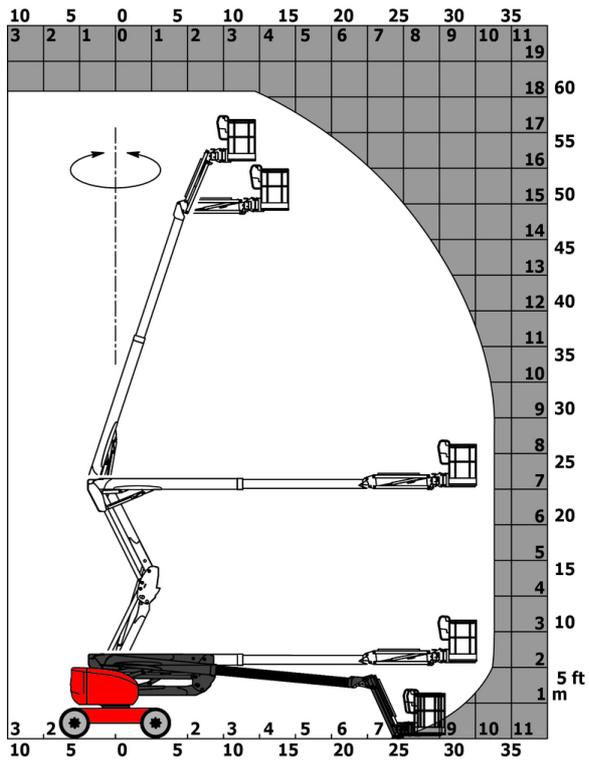
Capacities		Metric
Working height	h21	18.19 m
Platform height	h7	16.19 m
Maximum outreach		10.33 m
Overhang		7.43 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+65 ° / -59.50 °
Platform capacity	Q	250 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		7550 kg
Platform dimensions (length x width)	lp / ep	1.80 m x 0.76 m
Floor height (access)	h20	0.45 m
Overall length	l1	7.61 m
Overall width	b1	2.32 m
Overall height	h17	2.48 m
Overall length (stowed)	l9	5.43 m
Overall height (stowed)	h18 ***	2.83 m
Counterweight offset (turret at 90°)	a7	0.40 m
Counterweight Oversize / Reach		0.40 m
External turning radius	Wa3	3.75 m
Ground clearance at centre of wheelbase	m2	0.40 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)		48
Ground Pressure		10.50 daN/cm ²
Hydraulic Pressure		240 bar
Hydraulic tank capacity		24 l
Sound pressure level (platform work station) (LpA)		70 dB
Vibration on hands/arms		< 2.50 m/s ²
Standards compliance		
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC)

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

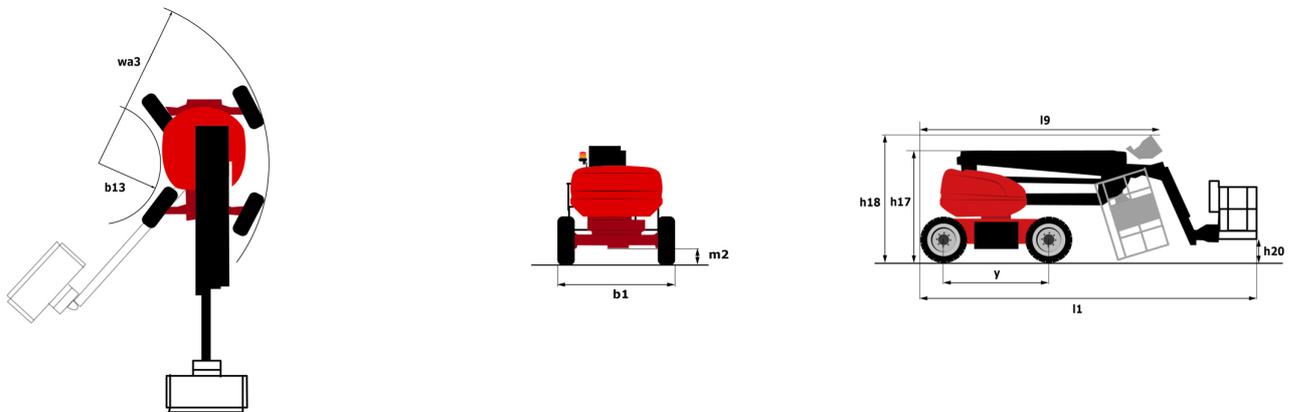
** According to "REDUCE cycle"

180 ATJ e - Load chart

Load Chart for MEWP Metric



180 ATJ e - Dimensional drawing



Equipment

Standard

220V predisposition in the platform
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Additional foot-operated horn
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 Basket 1,800 mm
 Battery reserve mode
 CAN bus technology
 Differential locking on rear axle
 Driver presence pedal
 Easy Link with 2 year Service
 Easy Manager
 Emergency stop button in platform and on frame
 Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
 Hour meter
 LED rotating beacon
 Large color screen on turret
 Leveling unlocking
 Load sensing pump
 Oscillating front axle
 Screen information in the basket
 Simplified lifting system without spreader bar
 Simultaneous steering and turret rotation functions
 Slings and securing rings
 Turret orientation detection

Optional

Anti-theft digicode
 Audio warning on all motion - White noise
 Biodegradable hydraulic oil - Grade 32
 Biodegradable oil
 Compressed air pipe pre-fitting
 Continuous turret rotation
 Easy Link - With access control keypad
 Easy Link - With remote lock
 Electric central filling system
 Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type
 Engine pre-heater
 Foam-filled tires 914 x 381 mm / 36X15D609
 Galvanized basket - Width: 1800 mm (5 ft. 11 in.) + Side swing gate
 Galvanized basket - Width: 2100 mm (6 ft. 11 in.)
 Galvanized basket - Width: 2100 mm (6 ft. 11 in.) + Side swing gate
 Key lock on turret cover
 Lighting pack
 Lower control box protection
 OSS - Operation Safety System
 Personalized paintwork
 Safety kit - Helmet and harness
 Setting to block the telescope
 Water pre-fitting



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



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