

Technical sheet :

# 180 ATJ E RC

OXYGEN



 **MANITOU**  
HANDLING YOUR WORLD

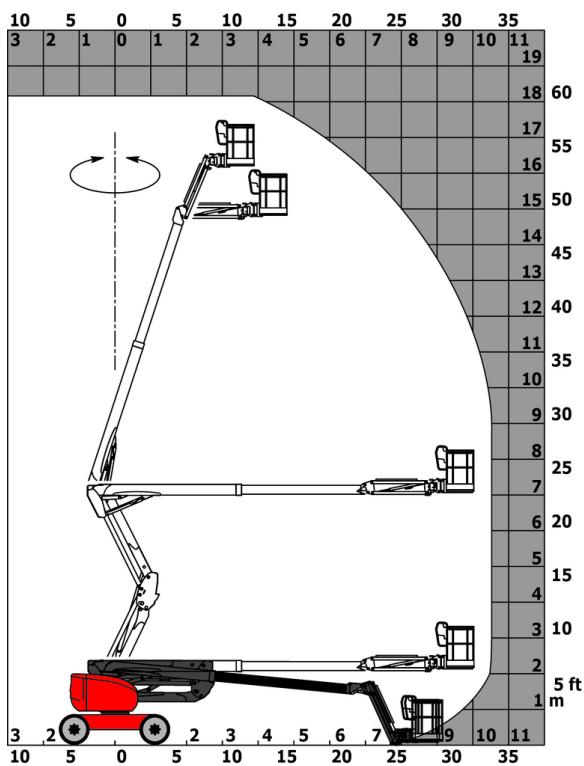
Capacities		Metric
Working height	h21	18.19 m
Platform height	h7	16.19 m
Maximum outreach		10.33 m
Overhang		7.43 m
Pendular arm rotation (left / right)		90 ° / 90 °
Pendular arm rotation (top / bottom)		+65 ° / -59.50 °
Platform capacity	Q	250 kg
Turret rotation		360 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		7810 kg
Platform dimensions (length x width)	l <sub>p</sub> / ep	1.80 m x 0.80 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 ***	2.63 m
External turning radius	Wa3	3.75 m
Ground clearance at centre of wheelbase	m2	0.39 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		
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
Hydraulic Pressure		240 bar
Hydraulic tank capacity		24 l
Noise to environment (L <sub>WA</sub> )		98 dB
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

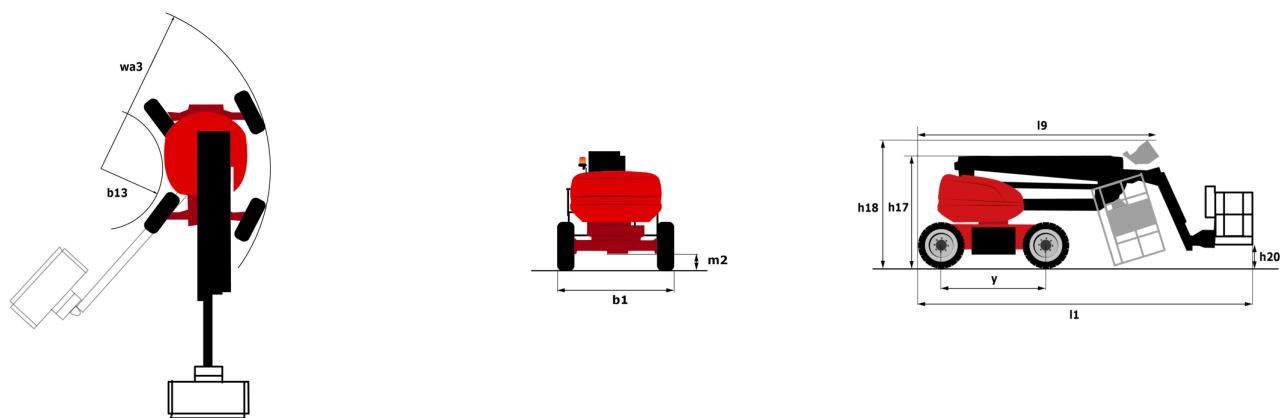
\*\* According to "REDUCE cycle"

## 180 ATJ e RC - Load chart

## Load Chart for MEWP Metric



180 ATJ e RC - 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
- Continuous turret rotation
- Differential locking on rear axle
- Easy Link with 2 year Service
- Emergency stop button in platform and on frame
- Front axle with limited slip
- Galvanized basket 1,800 mm
- Horn in the platform
- Hour meter
- Integrated diagnostic assistance
- LED rotating beacon
- Large color screen on turret
- Lead acid batteries
- Load sensing pump
- Operator presence pedal
- Oscillating front axle
- 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
- 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
- Fully galvanized basket 1800mm / 5'11" with lateral door
- Galvanized basket 2,100 mm
- Galvanized basket with side swing gate - Width: 2100 mm (6 ft. 11 in.)
- 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 - Operation Safety System
- Personalized paintwork
- Safety kit - Harness + helmet
- Socket 230 V + differential circuit breaker
- Water predisposition



# **MANITOU** HANDLING YOUR WORLD

## 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](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes