

Technical sheet :

# 180 ATJ E

OXYGEN



 **MANITOU**  
HANDLING YOUR WORLD

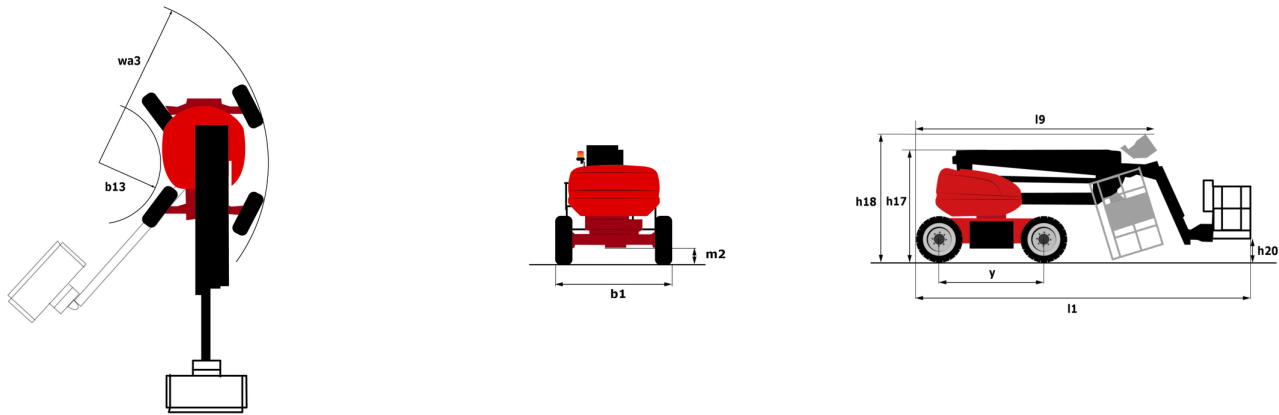
| Capacities   |         | Metric  |
|--|---------|---|
| Working height                                     | h21     | 18.19 m   |
| Platform height                                    | h7      | 16.19 m   |
| Maximum outreach                                   |         | 10.33 m   |
| Overhang   |         | 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 90Å°)              | 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 kW/h   |
| On-board charger (V / A)                           |         | 48 V / 60 A   |
| Miscellaneous                                      |         |   |
| Number of cycles with STD Battery (HIRD)           |         | 48  |
| Ground Pressure                                    |         | 10.50 dan/cm2   |
| 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/s²   |
| 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



180 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   |
| Differential locking on rear axle  |
| 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.) |
| Hom in the platform  |
| Hour meter   |
| LED rotating beacon  |
| Large color screen on turret   |
| Leveling unlocking   |
| Load sensing pump  |
| Operator presence pedal  |
| Oscillating front axle   |
| Reserve mode   |
| Screen information in the basket   |
| Simplified lifting system without spreader bar                               |
| Slings and securing rings  |
| Steer and rotate   |
| Turret orientation information   |

| Optional   |
|--|
| Audio warning on all motion - White noise                              |
| Biodegradable hydraulic oil - Grade 32                                 |
| 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                                       |
| Foam-filled tires 914 x 381 mm / 36X15D610                             |
| 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  |
| 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 heater   |
| Water predisposition   |



**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