

Technical sheet :

# 180 ATJ

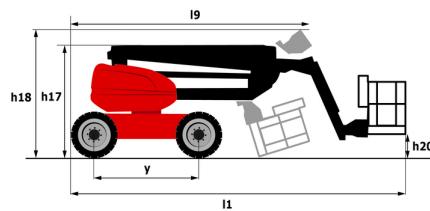
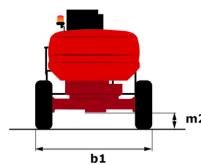
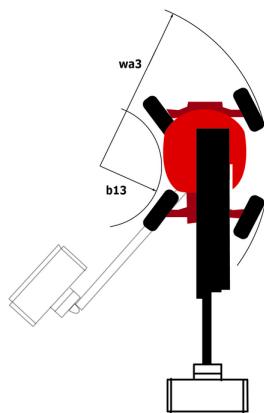


 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric	
Working height	h21	18.18 m	
Platform height	h7	16.18 m	
Maximum outreach		10.51 m	
Overhang		7.42 m	
Pendular arm rotation (top / bottom)		+65 ° / -59.50 °	
Platform capacity	Q	230 kg	
Turret rotation		350 °	
Platform rotation (right / left)		90 ° / 90 °	
Number of people (indoor / outdoor)		2 / 2	
Weight and dimensions			
Platform weight*		7430 kg	
Platform dimensions (length x width)	l <sub>p</sub> / ep	1.80 m x 0.80 m	
Floor height (access)	h20	0.43 m	
Overall length	l1	7.79 m	
Overall width	b1	2.32 m	
Overall height	h17	2.47 m	
Overall length (stowed)	l9	5.56 m	
Overall height (stowed)	h18 ***	2.56 m	
Counterweight offset (turret at 90°)	a7	0.22 m	
External turning radius	Wa3	3.63 m	
Ground clearance at centre of wheelbase	m2	0.40 m	
Wheelbase	y	2.20 m	
Performances			
Drive speed - stowed		5 km/h	
Drive speed - raised		1 km/h	
Gradeability		45 %	
Permissible leveling		5 °	
Wheels			
Tires type		Foam-filled	
Drive wheels (front / rear)		2 / 2	
Steering wheels (front / rear)		2 / 2	
Braking wheels (front / rear)		0 / 2	
Engine/Battery			
Engine brand / model		Kubota - D1105-E4B	
Engine nom		Stage IIIA, Stage V	
Engine power (Hp / kW)		24.80 Hp / 18.50 kW	
Miscellaneous			
Ground Pressure		10 dan/cm <sup>2</sup>	
Hydraulic Pressure		340 bar	
Hydraulic tank capacity		54 l	
Fuel		52 l	
Vibration on hands/arms		0.50 m/s <sup>2</sup>	
Daily consumption **		4.27 l	
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

## 180 ATJ - 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
- Emergency stop button in platform and on frame
- Engine compartment with key lock
- Fuel gauge with low level indicator
- Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
- Hour meter
- Integrated diagnostic assistance
- Leveling unlocking
- Load sensing pump
- Operator presence pedal
- Oscillating front axle
- Secondary Protection System (SPS)
- Steer and rotate
- Stop & Go system

## Optional

- Battery charger
- Battery cut-off
- Biodegradable hydraulic oil - Grade 32
- Coded anti-start
- Cold weather protection oil
- 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.)
- High capacity starting battery
- Lockable fuel cap
- Non-marking tires
- On-board generator (3,5 or 5 kW)
- Personalized paintwork
- Safety kit - Harness + helmet
- Socket 230 V + differential circuit breaker
- Spark arresting muffler
- 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