

Technical sheet :

180 ATJ CR



 **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		360 °
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)	lp / 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 norm		Stage IIIA, Stage V
Engine power (Hp / kW)		24.80 Hp / 18.50 kW
Miscellaneous		
Ground Pressure		10 daN/cm ²
Hydraulic Pressure		340 bar
Hydraulic tank capacity		54 l
Fuel		52 l
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 CR - Dimensional drawing



Equipment

Standard

220V predisposition in the platform
3D
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
Driver presence pedal
Easy Link with 2 year Service
Emergency stop button in platform and on frame
Fuel gauge with low level indicator
Fully galvanized basket with removable floor - Width: 2100 mm (6 ft. 11 in.)
Hour meter
Integrated diagnostic assistance
Key lock on turret cover
Leveling unlocking
Load sensing pump
Oscillating front axle
Secondary Protection System (SPS)
Simultaneous steering and turret rotation functions
Stop & Go system

Optional

Antitheft digicode
Battery charger
Battery cut-off
Cold weather protection oil
Diesel tank locking cap
Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type
Engine pre-heater
Exhaust line protection, spark arrester and fume reduction system
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
Higher capacity battery, to start the machine easily in cold countries.
Non-marking tires
On-board generator (3,5 or 5 kW)
Personalized paintwork
Safety kit - Helmet and harness
Spark arrester muffler
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



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