

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)	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/cm2
Hydraulic Pressure		340 bar
Hydraulic tank capacity		54 l
Fuel		52 l
Vibration on hands/arms		< 0.50 m/s ²
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
 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
 Biodegradable hydraulic oil - Grade 32
 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
 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



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