Technical sheet :

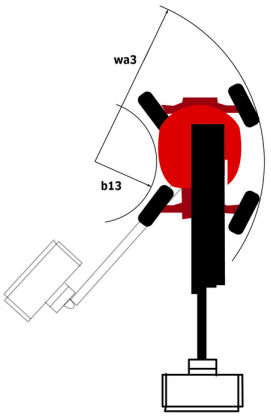
180 ATJ

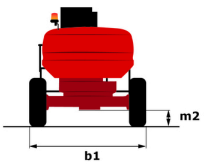
MANITOU
HANDLING YOUR WORLD

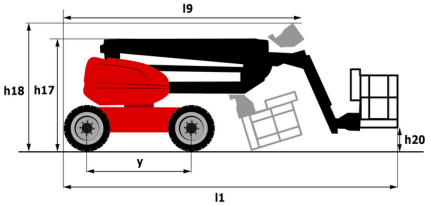
Capacities		Metric
Working height	h21	18.18 m
Platform height	h7	16.18 m
Max. outreach		10.51 m
Overhang		7.42 m
Pendular arm rotation (top / bottom)		+65 ° / -59.50 °
Platform capacity	Q	230 kg
Turret rotation		350 °
Platform rotation (right / left)		90 ° / 90 °
Number of people (indoor / outdoor)		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 tank capacity		52 l
Vibration on hands/arms		< 0.50 m/s²
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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