

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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