

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 90Å°) | 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 V |
| I.C. Engine power rating / Power | | 24.80 Hp / 18.50 kW |
| Miscellaneous | | |
| Ground Pressure | | 10 dan/cm2 |
| Hydraulic Pressure | | 340 bar |
| Hydraulic tank capacity | | 54 l |
| Fuel tank | | 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
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
Coded anti-start
Cold weather protection oil
Exhaust line protection, spark arrestor and fume reduction system
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 tyres
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



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