

Technical sheet :

180 ATJ **E** RC

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|---------|---|
| Working height | h21 | 18.19 m |
| Platform height | h7 | 16.19 m |
| Max. outreach | | 10.33 m |
| Overhang | | 7.43 m |
| Pendular arm rotation (left / right) | | 90 ° / 90 ° |
| Pendular arm rotation (top / bottom) | | +65 ° / -59.50 ° |
| Platform capacity | Q | 250 kg |
| Turret rotation | | 360 ° |
| Platform rotation (right / left) | | 90 ° / 90 ° |
| Number of people (indoor / outdoor) | | 2 / 2 |
| Weight and dimensions | | |
| Platform weight* | | 7810 kg |
| Platform dimensions (length x width) | lp / ep | 1.80 m x 0.80 m |
| Floor height (access) | h20 | 0.45 m |
| Overall length | l1 | 7.61 m |
| Overall width | b1 | 2.32 m |
| Overall height | h17 | 2.48 m |
| Overall length (stowed) | l9 | 5.43 m |
| Overall height (stowed) | h18 *** | 2.63 m |
| External turning radius | Wa3 | 3.75 m |
| Ground clearance at centre of wheelbase | m2 | 0.39 m |
| Wheelbase | y | 2.30 m |
| Performances | | |
| Drive speed - stowed | | 5 km/h |
| Drive speed - raised | | 1 km/h |
| Gradeability | | 45 % |
| Permissible leveling | | 5 ° |
| Wheels | | |
| Tires type | | Foam Filled Non Marking |
| Standard tires | | 914 x 381 mm / 36X15D610 |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 |
| Braking wheels (front / rear) | | 0 / 2 |
| Engine/Battery | | |
| Battery voltage | | 48 V |
| Battery nominal voltage / capacity | | 48 V / 480 Ah |
| Battery energy | | 23 kWh |
| On-board charger (V / A) | | 48 V / 60 A |
| Miscellaneous | | |
| Number of cycles with STD Battery (HIRD) | | 48 |
| Ground Pressure | | 11 daN/cm2 |
| Hydraulic Pressure | | 240 bar |
| Hydraulic tank capacity | | 24 l |
| Noise to environment (LwA) | | < 98 dB |
| Body vibration in high speed in the platform (Aw max) | | 0.62 m/s ² |
| 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

** According to "REDUCE cycle"

180 ATJ e RC - Load chart

Load Chart for MEWP Metric



180 ATJ e RC - Dimensional drawing



Equipment

Standard

220V predisposition in the platform
 4 simultaneous movements
 4 wheel drive
 4 wheel steer with crab mode
 Additional foot-operated horn
 Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
 Backup electrical pump
 Basket 1,800 mm
 Battery reserve mode
 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
 Front axle with limited slip
 Galvanized basket - Width: 1800 mm (5 ft. 11 in.)
 Hour meter
 Integrated diagnostic assistance
 LED rotating beacon
 Large color screen on turret
 Lead acid batteries
 Load sensing pump
 Oscillating front axle
 Screen information in the basket
 Secondary Protection System (SPS)
 Simplified lifting system without spreader bar
 Simultaneous steering and turret rotation functions
 Slings and securing rings
 Toolbox
 Turret orientation detection

Optional

Antitheft digicode
 Audio warning on all motion - White noise
 Audio warning on translation
 Audio warning on translation - White noise
 Biodegradable hydraulic oil - Grade 32
 Charger plug - 110V - 16A - United Kingdom (G) type
 Compressed air pipe pre-fitting
 Earthing and short-circuiting pre-fitting (Bolted ball)
 Easy Link - With access control keypad
 Easy Link - With remote lock
 Electric central filling system
 Electric plug - 230V - In the basket - With differential circuit breaker - Europe (E/F) type
 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
 Key lock on turret cover
 LED amber strobe light on the basket
 LED work light - On basket
 Lighting pack
 OSS - Operation Safety System
 Personalized paintwork
 Safety kit - Helmet and harness
 Setting to block the telescope
 Water pre-fitting



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