

Technical sheet :

180 ATJ E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|---------|--|
| Working height | h21 | 18.19 m |
| Platform height | h7 | 16.19 m |
| Maximum 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 | | 350 ° |
| Platform rotation (right / left) | | 90 ° / 90 ° |
| Number of people (indoor / outdoor) | | 2 / 2 |
| Weight and dimensions | | |
| Platform weight* | | 7550 kg |
| Platform dimensions (length x width) | lp / ep | 1.80 m x 0.76 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 *** | 2.83 m |
| Counterweight offset (turret at 90Å°) | a7 | 0.40 m |
| Counterweight Oversize / Reach | | 0.40 m |
| External turning radius | Wa3 | 3.75 m |
| Ground clearance at centre of wheelbase | m2 | 0.40 m |
| Wheelbase | y | 2.30 m |
| Performances | | |
| Drive speed - stowed | | 5.30 km/h |
| Drive speed - raised | | 0.70 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 | | 10.50 dan/cm2 |
| Hydraulic Pressure | | 240 bar |
| Hydraulic tank capacity | | 24 l |
| Sound pressure level (platform work station) (LpA) | | 70 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Standards compliance | | |
| This machine is in compliance with: | | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) |

*Varies according to options and standards of the country to which the machine is delivered

** According to "REDUCE cycle"

180 ATJ e - Load chart



180 ATJ e - 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 |
| Easy Link with 2 year Service |
| Easy Manager |
| Emergency stop button in platform and on frame |
| Fully galvanized basket with demountable floor |
| Hom in the platform |
| Hour meter |
| LED rotating beacon |
| Large color screen on turret |
| Leveling unlocking |
| Load sensing pump |
| Operator presence pedal |
| Oscillating front axle |
| Reserve mode |
| Screen information in the basket |
| Simplified lifting system without spreader bar |
| Slings and securing rings |
| Steer and rotate |
| Turret orientation information |

| Optional |
|--|
| Audio warning on all motion - White noise |
| Biodegradable hydraulic oil - Grade 32 |
| Biodegradable oil |
| Bottom screen protection |
| Continuous turret rotation |
| Digicode anti-theft device |
| Easy Link - With access control keypad |
| Easy link with remote lock |
| Electric centralized filling |
| External pneumatic supply source |
| Foam-filled tires 914 x 381 mm / 36X15D610 |
| Fully galvanized basket 1800mm / 5'11" with lateral door |
| Galvanized basket 2,100 mm |
| Galvanized basket 2.100 mm / 6'11" with lateral door |
| Key lock on turret cover |
| Lighting pack |
| Locking the telescope by parameter setting |
| OSS - Operation Safety System |
| Personalized paintwork |
| Safety kit - Harness + helmet |
| Socket 230 V + differential circuit breaker |
| Water heater |
| Water predisposition |



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