

Technical sheet :

180 ATJ E

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 | | 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 90°) | 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/cm ² |
| Hydraulic Pressure | | 240 bar |
| Hydraulic tank capacity | | 24 l |
| Sound pressure level (platform work station) (platform work station) | | 70 dB |
| Vibration on hands/arms | | < 2.50 m/s ² |
| 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

Load Chart for MEWP Metric



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
 Horn in the platform
 Hour meter
 LED rotating beacon
 Large color screen on turret
 Leveling unlocking
 Load sensing pump
 Operator presence pedal
 Oscillating front axle
 Rear axle with limited slip differential
 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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