

Technical sheet :

160 ATJ+ E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|---------|--|
| Working height | h21 | 16.22 m |
| Platform height | h7 | 14.26 m |
| Max. outreach | | 8.34 m |
| Overhang | | 7.44 m |
| Pendular arm rotation (left / right) | | 90 ° / 90 ° |
| Pendular arm rotation (top / bottom) | | +66.50 ° / -65.80 ° |
| Platform capacity | Q | 408 kg |
| Turret rotation | | 350 ° |
| Platform rotation (right / left) | | 90 ° / 90 ° |
| Number of people (indoor / outdoor) | | 3 / 3 |
| Weight and dimensions | | |
| Platform weight* | | 7790 kg |
| Platform dimensions (length x width) | lp / ep | 2.30 m x 0.90 m |
| Floor height (access) | h20 | 0.42 m |
| Overall length | l1 | 6.88 m |
| Overall width | b1 | 2.38 m |
| Overall height | h17 | 2.48 m |
| Overall length (stowed) | l9 | 4.70 m |
| Overall height (stowed) | h18 *** | 2.94 m |
| Counterweight offset (turret at 90Å°) | a7 | 0.37 m |
| Counterweight Oversize / Reach | | 0.37 m |
| External turning radius | Wa3 | 3.78 m |
| Ground clearance at centre of wheelbase | m2 | 0.39 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) | | 50 |
| Ground Pressure | | 10.60 dan/cm2 |
| Hydraulic Pressure | | 250 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"

160 ATJ+ e - Load chart

Load Chart for MEWP Metric



160 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
Dead man pedal
Differential locking on rear axle
Easy Link with 2 year Service
Easy Manager
Emergency stop button in platform and on frame
Front axle with limited slip
Fully galvanized basket with demountable floor
Hom in the platform
Hour meter
LED rotating beacon
Leveling unlocking
Load sensing pump
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
Water predisposition



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