

Technical sheet :

# 160 ATJ E

OXYGEN



 **MANITOU**  
HANDLING YOUR WORLD

| Capacities   |         | Metric   |
|--|---------|--|
| Working height                                     | h21     | 16.03 m  |
| Platform height                                    | h7      | 14.05 m  |
| Maximum outreach                                   |         | 8.11 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*                                   |         | 6784 kg  |
| Platform dimensions (length x width)               | lp / ep | 1.80 m x 0.76 m  |
| Floor height (access)                              | h20     | 0.46 m   |
| Overall length                                     | l1      | 6.50 m   |
| Overall width                                      | b1      | 2.32 m   |
| Overall height                                     | h17     | 2.39 m   |
| Overall length (stowed)                            | l9      | 4.48 m   |
| Overall height (stowed)                            | h18 *** | 2.77 m   |
| Counterweight offset (turret at 90°)               | a7      | 0.85 m   |
| Counterweight Oversize / Reach                     |         | 0.26 m   |
| External turning radius                            | Wa3     | 3.75 m   |
| Ground clearance at centre of wheelbase            | m2      | 0.35 m   |
| Wheelbase  | y       | 2.30 m   |
| Performances                                       |         |  |
| Drive speed - stowed                               |         | 5.20 km/h  |
| Drive speed - raised                               |         | 0.70 km/h  |
| Gradeability                                       |         | 45 %   |
| Permissible leveling                               |         | 5 °  |
| Wheels   |         |  |
| Tires type   |         | Foam Filled Non Marking  |
| Standard tires                                     |         | 840 x 295 mm / 33x12 D610  |
| 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 kW/h  |
| On-board charger (V / A)                           |         | 48 V / 60 A  |
| Miscellaneous                                      |         |  |
| Number of cycles with STD Battery (HIRD)           |         | 58   |
| Ground Pressure                                    |         | 13 dan/cm2   |
| Hydraulic Pressure                                 |         | 250 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<br>(revised EN280:2013) - 2004/108/EC (EMC) |

\*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   |
| 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 removable floor - Width: 2100 mm (6 ft. 11 in.) |
| Galvanized basket 1,800 mm   |
| Hom in the platform  |
| Hour meter   |
| LED rotating beacon  |
| Large color screen on turret   |
| Leveling unlocking   |
| Load sensing pump  |
| Oscillating front axle   |
| Reserve mode   |
| Screen information in the basket   |
| Simplified lifting system without spreader bar                               |
| Slinging and securing rings  |
| Steer and rotate   |

| Optional   |
|--|
| 110 V electric plug 16A  |
| Audio warning on all motion  |
| Audio warning on all motion - White noise                              |
| Audio warning on movement  |
| Audio warning on translation - White noise                             |
| Biodegradable hydraulic oil - Grade 32                                 |
| Bottom screen protection   |
| Continuous turret rotation   |
| Digicode anti-theft device   |
| Earthing and shortcircuiting pre-fitting (Bolted ball)                 |
| Easy Link - With access control keypad                                 |
| Easy link with remote lock   |
| Electric centralized filling   |
| Engine compartment with key lock                                       |
| 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 with side swing gate - Width: 2100 mm (6 ft. 11 in.) |
| Hydraulic oil heater   |
| Iron wheel package   |
| Key lock on turret covers  |
| Lighting pack  |
| Locking the telescope by parameter setting                             |
| Non-marking Foam Inflated Tires 914 x 381 mm / 36x15D610               |
| OSS - Operation Safety System  |
| Personalized paintwork   |
| Rail protection  |
| Safety kit - Hamess + helmet   |
| Socket 230 V + differential circuit breaker                            |
| Two safety kits (helmet + hamess)                                      |
| Water predisposition   |
| Working light (x1) on basket   |

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