

Technical sheet :

90 V'AIR

OXYGEN
by MANITOU

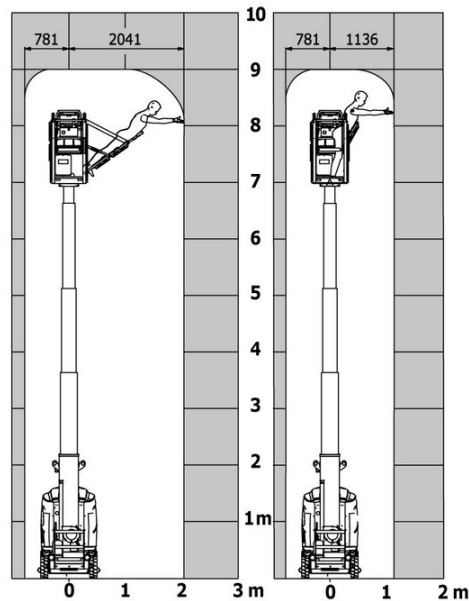


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HANDLING YOUR WORLD

| Capacities | | Metric |
|---|---------|--|
| Working height | h21 | 9 m |
| Floor height (access) | h20 | 1.03 m |
| Platform height | h7 | 7 m |
| Max. outreach | | 2.04 m |
| Platform capacity | Q | 230 kg |
| Turret rotation | | 350 ° |
| Number of people (indoor / outdoor) | | 2 / 2 |
| Weight and dimensions | | |
| Platform weight* | | 2710 kg |
| Platform dimensions (length x width) | lp / ep | 0.95 m x 0.68 m |
| Overall length | l1 | 2.31 m |
| Overall width | b1 | 1.10 m |
| Overall height | h17 | 2.31 m |
| Counterweight offset (turret at 90°) | a7 | 0.04 m |
| Counterweight Oversize / Reach | | 0.05 m |
| External turning radius | Wa3 | 1.98 m |
| Ground clearance at centre of wheelbase | m2 | 0.10 m |
| Wheelbase | y | 1.20 m |
| Performances | | |
| Drive speed - stowed | | 4.50 km/h |
| Drive speed - raised | | 0.60 km/h |
| Gradeability | | 25 % |
| Permissible leveling | | 2 ° |
| Wheels | | |
| Tires type | | Non marking |
| Standard tires | | 406 x 127 mm |
| Drive wheels (front / rear) | | 0 / 2 |
| Steering wheels (front / rear) | | 2 / 0 |
| Braking wheels (front / rear) | | 0 / 2 |
| Engine/Battery | | |
| Electric engine power rating | | 2 x 1.50 kW |
| Number of hydraulic pump / Capacity of hydraulic pump | | 2 x 4.20 cm³ |
| Battery voltage | | 24 V |
| Battery capacity | | 250 Ah |
| Integrated charger / charger | | 24 V / 30 A |
| Miscellaneous | | |
| Number of cycles with STD Battery (HIRD) | | 39 |
| Ground Pressure | | 11.30 dan/cm2 |
| Hydraulic Pressure | | 140 bar |
| Hydraulic tank capacity | | 22 l |
| 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) |

90 V'Air - Load chart

Load Chart for MEWP Metric



90 V'Air - Dimensional drawing



Equipment

| Standard |
|---|
| 2 LED front headlights with protective grille |
| 2 rear position headlights with LED |
| 2 vertical detection radars |
| 3 anti-static braids |
| Audible alarm and illuminated indicator lamp (leveling, overload, lowering) |
| Backlit control panel |
| Battery charge indicator lamp |
| CAN bus technology |
| Emergency stop button in platform and on frame |
| Fixed pothole protection |
| Front and side rubber protections |
| Horn in the platform |
| Hour meter |
| Integrated diagnostic assistance |
| Manual emergency lowering |
| Multi-voltage integrated charger |
| Negative-type braking on rear wheels |
| Non-marking rubber tyres |
| Platform with open-work floor |
| Proportional controls |
| Side reflectors |
| Slinging and securing rings |
| Specific platform with multiple working positions |
| Tool box in platform |
| Traction battery with centralized recharging |
| Travel possible at maximum height |
| Working headlight in platform |

| Optional |
|----------------------------------|
| 6 kg Powder extinguisher A, B, C |
| Biodegradable oil |
| Cold weather protection oil |
| Safety kit - Harness + helmet |



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