

Technical sheet :

100 VJR

OXYGEN
by MANITOU



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|---|---------|---|
| Working height | h21 | 9.85 m |
| Platform height | h7 | 7.85 m |
| Maximum outreach | | 3.10 m |
| Overhang | | 6.50 m |
| Pendular arm rotation (top / bottom) | | +58 ° / -56 ° |
| Platform capacity | Q | 200 kg |
| Turret rotation | | 350 ° |
| Number of people (indoor / outdoor) | | 2 / 1 |
| Weight and dimensions | | |
| Platform weight* | | 2820 kg |
| Platform dimensions (length x width) | lp / ep | 1.19 m x 0.93 m |
| Floor height (access) | h20 | 0.46 m |
| Overall length | l1 | 2.80 m |
| Overall width | b1 | 0.99 m |
| Overall height | h17 | 1.99 m |
| Jib length | l13 | 1.45 m |
| Counterweight offset (turret at 90°) | a7 | 0.09 m |
| External turning radius | Wa3 | 2.02 m |
| Ground clearance under pothole protection | m6 | 0.03 m |
| Ground clearance at centre of wheelbase | m2 | 0.09 m |
| Wheelbase | y | 1.20 m |
| Performances | | |
| Drive speed - stowed | | 5 km/h |
| Drive speed - raised | | 0.65 km/h |
| Gradeability | | 25 % |
| Permissible leveling | | 2 ° |
| Wheels | | |
| Tires type | | Non marking cushion |
| Standard tires | | 16.5-11 1/4 / 406 x 127 mm |
| Drive wheels (front / rear) | | 0 / 2 |
| Steering wheels (front / rear) | | 2 / 0 |
| Braking wheels (front / rear) | | 0 / 2 |
| Engine/Battery | | |
| Drive motor power rating | | 2 x 0.77 kW |
| Lift motor power | | 3 kW |
| Number of hydraulic pump / Capacity of hydraulic pump | | 2 x 3.75 cm ³ |
| Battery voltage | | 24 V |
| Battery capacity | | 250 Ah |
| On-board charger (V / A) | | 24 V / 30 A |
| Miscellaneous | | |
| Number of cycles with STD Battery (HIRD) | | 29 |
| Ground Pressure | | 11 daN/cm ² |
| Hydraulic Pressure | | 140 bar |
| Hydraulic tank capacity | | 22 l |
| Vibration on hands/arms | | < 0.50 m/s ² |
| Standards compliance | | |
| This machine is in compliance with: | | European directives: 2006/42/EC- Machinery (revised EN280-1:2022) - 2004/108/EC (EMC) - EMC according to EN 12895 / 2015 +A1 / 2019 |

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

100 VJR - Load chart

Load Chart for MEWP Metric



100 VJR - Dimensional drawing



Equipment

Standard

Additional foot-operated horn
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
CAN bus technology
Easy Link with 2 year Service
Emergency stop button in platform and on frame
Fixed pothole protection
Fork pockets
Manual emergency lowering
Multi-function smartview display
Multi-voltage onboard charger - 48V - 35A - ZIVAN - Gel - Single-phase
Negative-type braking on rear wheels
Non-marking rubber tyres
Pendular arm
Platform with open-work floor
Proportional controls
Secondary Protection System (SPS)
Slings and securing rings
Toolbox
Traction battery

Optional

Audio warning on all motion
Audio warning on all motion
Audio warning on descent
Basket controls protection
Basket with hinged doors
Biodegradable hydraulic oil - Grade 32
Central filling system
Charger plug - 110V - 16A - United Kingdom (G) type
Cold weather protection oil
Easy Link - With access control keypad
Easy Link - With remote lock
Electrical pre-fitting - 230V - With IP65 reel
Harness detection with a warning light
LED amber strobe light on the basket
LED strobe light on the turret
LED work light - On basket
Maintenance-free battery
Personalized paintwork
Safety kit - Helmet and harness
Turret orientation detection



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