

Technical sheet :

# 100 VJR

OXYGEN  
by MANITOU



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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 <sup>3</sup>  |
| 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 <sup>2</sup>  |
| Hydraulic Pressure                                    |         | 140 bar   |
| Hydraulic tank capacity                               |         | 22 l  |
| Vibration on hands/arms                               |         | < 0.50 m/s <sup>2</sup>   |
| 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

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## 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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