

Technical sheet :

# 80 VJR

OXYGEN  
by MANITOU



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HANDLING YOUR WORLD

| Capacities  |         | Metric  |
|---|---------|---|
| Working height  | h21     | 7.65 m  |
| Platform height                                       | h7      | 5.65 m  |
| Max. outreach   |         | 3.20 m  |
| Overhang  |         | 4.12 m  |
| Pendular arm rotation (top / bottom)                  |         | +62 ° / 51 °  |
| Platform capacity                                     | Q       | 200 kg  |
| Turret rotation                                       |         | 350 °   |
| Number of people (indoor / outdoor)                   |         | 2 / 1   |
| Weight and dimensions                                 |         |   |
| Platform weight*                                      |         | 2410 kg   |
| Platform dimensions (length x width)                  | lp / ep | 1.19 m x 0.93 m   |
| Floor height (access)                                 | h20     | 0.41 m  |
| Overall length  | l1      | 2.90 m  |
| Overall width   | b1      | 0.99 m  |
| Overall height  | h17     | 1.99 m  |
| Jib length  | l13     | 1.61 m  |
| Counterweight offset (turret at 90°)                  | a7      | 0.09 m  |
| External turning radius                               | Wa3     | 2.10 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                                  |         | 4.50 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 cm³  |
| 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)              |         | 32  |
| Ground Pressure                                       |         | 10.50 daN/cm2   |
| Hydraulic Pressure                                    |         | 140 bar   |
| Hydraulic tank capacity                               |         | 22 l  |
| Noise to environment (LwA)                            |         | < 70 dB   |
| Vibration on hands/arms                               |         | < 0.50 m/s²   |
| 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

## 80 VJR - Load chart

Load Chart for MEWP Metric



## 80 VJR - Dimensional drawing



# Equipment

## Standard

- Additional foot-operated hom
- 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
- Proportional controls
- Secondary Protection System (SPS)
- Slinging and securing rings
- Toolbox
- Traction battery
- Travel possible at maximum height
- lace floor basket

## 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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