

Technical sheet :

80 VJR

OXYGEN
by MANITOU



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|---------|--|--|
| Working height | h21 | 7.65 m | 25 ft 1 in |
| Floor height (access) | h20 | 0.47 m | 1 ft 7 in |
| Platform height | h7 | 5.65 m | 18 ft 6 in |
| Max. outreach | | 3.24 m | 10 ft 8 in |
| Overhang | | 4.23 m | 13 ft 11 in |
| Pendular arm rotation (top / bottom) | | +62 ° / 51 ° | +62 ° / 51 ° |
| Platform capacity | Q | 200 kg | 441 lb |
| Turret rotation | | 350 ° | 350 ° |
| Number of people (indoor / outdoor) | | 2 / 1 | 2 / 1 |
| Weight and dimensions | | | |
| Platform weight* | | 2250 kg | 4960 lb |
| Platform dimensions (length x width) | lp / ep | 1.11 m x 0.93 m | 3 ft 8 in x 3 ft 1 in |
| Overall length | l1 | 2.95 m | 9 ft 8 in |
| Overall width | b1 | 0.99 m | 3 ft 3 in |
| Overall height | h17 | 1.99 m | 6 ft 6 in |
| Jib length | l13 | 1.61 m | 5 ft 3 in |
| Counterweight offset (turret at 90°) | a7 | 0.09 m | 4 in |
| Counterweight Oversize / Reach | | 0.10 m | 4 in |
| External turning radius | Wa3 | 2.09 m | 6 ft 10 in |
| Ground clearance with pothole guards deployed | m6 | 0.02 m | 1 in |
| Ground clearance under pothole protection | m6 | 0.03 m | 1 in |
| Ground clearance at centre of wheelbase | m2 | 0.09 m | 4 in |
| Wheelbase | y | 1.20 m | 3 ft 11 in |
| Performances | | | |
| Drive speed - stowed | | 4.50 km/h | 3 mph |
| Drive speed - raised | | 0.65 km/h | 0.40 mph |
| Gradeability | | 25 % | 25 % |
| Permissible leveling | | 2 ° | 2 ° |
| Wheels | | | |
| Tires type | | Solid non-marking tires | Solid non-marking tires |
| Standard tires | | 410 x 130 mm | 410 x 130 mm |
| Drive wheels (front / rear) | | 0 / 2 | 0 / 2 |
| Steering wheels (front / rear) | | 2 / 0 | 2 / 0 |
| Braking wheels (front / rear) | | 0 / 2 | 0 / 2 |
| Engine/Battery | | | |
| Electric engine power rating | | 2 x 1.50 kW | 2 x 1.50 kW |
| Electric Pump | | 3 kW | 3 kW |
| Number of hydraulic pump / Capacity of hydraulic pump | | 2 x 4.20 cm³ | 2 x 0.26 in³ |
| Battery voltage | | 24 V | 24 V |
| Battery capacity | | 250 Ah | 250 Ah |
| On-board charger (V / A) | | 24 V / 30 A | 24 V / 30 A |
| Miscellaneous | | | |
| Number of cycles with STD Battery (HIRD) | | 32 | 32 |
| Ground Pressure | | 11.10 dan/cm2 | 161 PSI |
| Hydraulic Pressure | | 140 bar | 2031 PSI |
| Hydraulic tank capacity | | 22 l | 6 US gal |
| Noise to environment (LwA) | | < 70 dB | < 70 dB |
| Vibration on hands/arms | | < 0.50 m/s² | < 0.50 m/s² |
| 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) | European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage) |

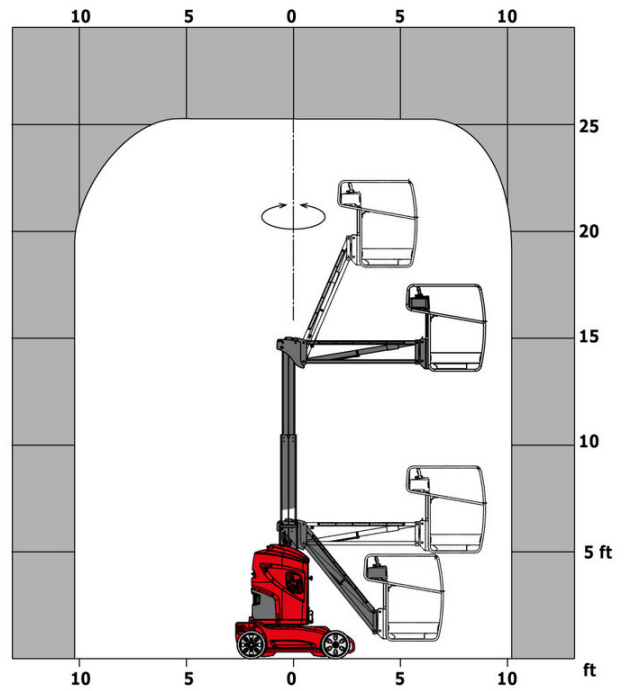
*Varies according to options and standards of the country to which the machine is delivered

80 VJR - Load chart

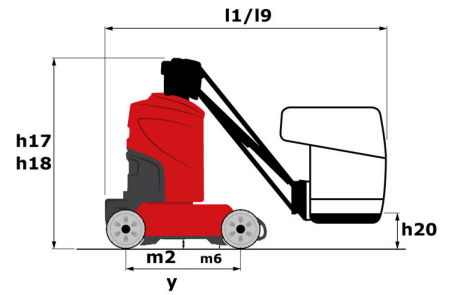
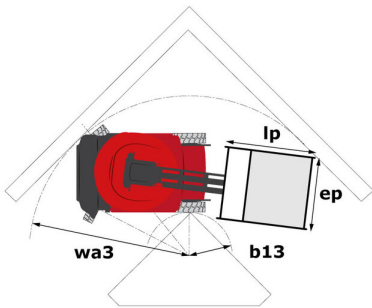
Load Chart for MEWP Metric



Load Chart for MEWP (Imperial)



80 VJR - Dimensional drawing



Equipment

Standard

Audible alarm and illuminated indicator lamp (leveling, overload, lowering)

Battery charge indicator lamp

CAN bus technology

Emergency stop button in platform and on frame

Fixed pothole protection

Fork pockets

Hour meter

Integrated charger

Integrated diagnostic assistance

Manual emergency lowering

Negative-type braking on rear wheels

Non-marking rubber tyres

Pendular arm

Proportional controls

Slings and securing rings

Tool box in platform

Traction battery

Face floor basket

Optional

110 or 230V plug with differential circuit breaker

230V Predisposition

Biodegradable oil

Cold weather protection oil

Lights

Maintenance-free battery

Personalized paintwork

SMS : Safe Man System

Safety harness

Working light



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