

Technical sheet :

100 VJR

OXYGEN
by MANITOU



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HANDLING YOUR WORLD

Capacities		Metric
Working height	h21	9.90 m
Platform height	h7	7.90 m
Maximum outreach		3.10 m
Overhang		6.56 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
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		
Electric engine 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		11.80 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) - 2006/95/EC (Low voltage)

*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

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

Hom in the platform

Manual emergency lowering

Multi-function smartview display

Multi-voltage integrated charger

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

Tool box in platform

Traction battery

Optional

110 or 230V plug with differential circuit breaker

Audio warning on all motion

Audio warning on descent

Audio warning on movement

Biodegradable hydraulic oil - Grade 32

Centralized filling of the battery

Cold weather protection oil

Easy Link - With access control keypad

Easy link with remote lock

LED strobe Light on the basket

LED strobe light on the turret

Maintenance-free battery

Personalized paintwork

Pre fitting electric supply IP65

Protective cover for control panel

Safety harness reminder indicator

Safety kit - Harness + helmet

Turret orientation information

Working light (x1) on basket



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