

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

## 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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