Technical sheet :

100 VJR

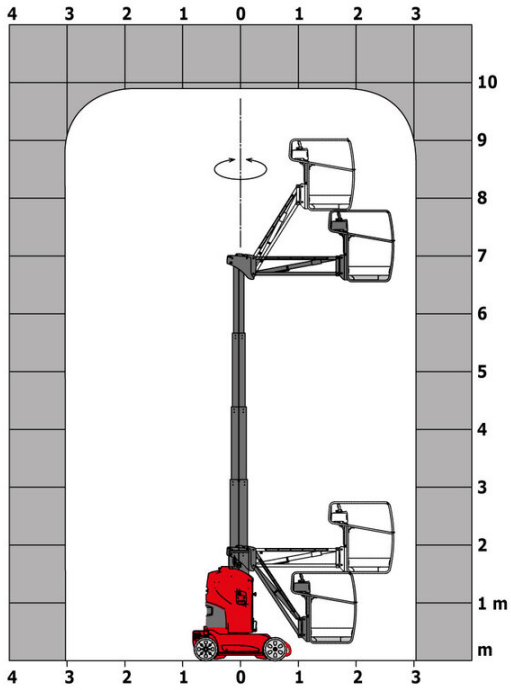
MANITOU
HANDLING YOUR WORLD

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 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)		29
Ground Pressure		11 daN/cm2
Hydraulic Pressure		140 bar
Hydraulic tank capacity		22 l
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

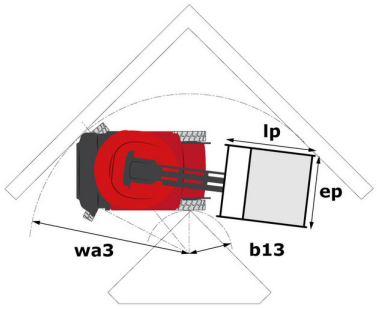
*Varies according to options and standards of the country to which the machine is delivered

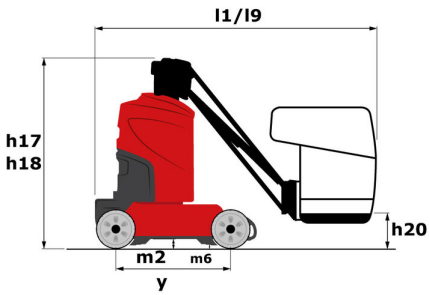
100 VJR - Load chart

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)
Slinging 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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