Technical sheet :

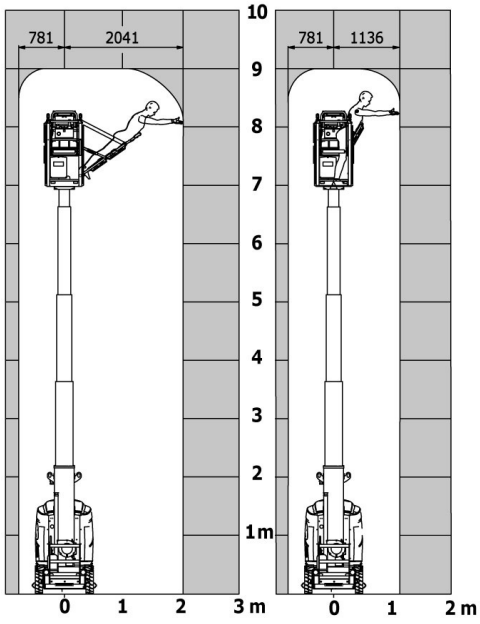
90 V'AIR

MANITOU
HANDLING YOUR WORLD

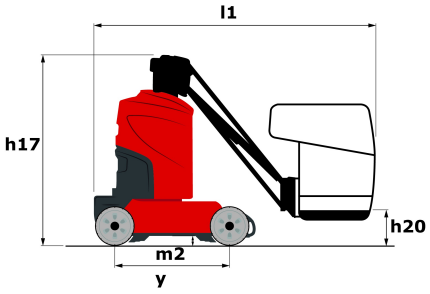
Capacities		Metric
Working height	h21	9 m
Platform height	h7	7 m
Max. outreach	r1	2.04 m
Pendular arm rotation (bottom)		+70 °
Turret rotation		350 °
Number of people (inside / outside)		2 / 2
Weight and dimensions		
Platform weight*		2710 kg
Platform dimensions (length x width)	lp / ep	0.95 m x 0.68 m
Overall width	b1	1.10 m
Overall length	l1	2.31 m
Overall height	h17	2.31 m
Floor height (access)	h20	1.03 m
Counterweight offset (turret at 90°)	a7	0.04 m
Internal turning radius (over tyres)	b13	0.55 m
External turning radius	Wa3	1.98 m
Ground clearance at centre of wheelbase	m2	0.10 m
Wheelbase	y	1.20 m
Performances		
Drive speed - stowed		4.50 km/h
Drive speed - raised		0.60 km/h
Gradeability		25 %
Permissible leveling		2 °
Wheels		
Tyres type		Tyres Type Non Marking
Dimensions of front wheels		0,41x0,13m
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 2 kW
Electric Pump		3 kW
Number of hydraulic pump / Capacity of hydraulic pump		2 x 4.20 cm³
Battery / Batteries capacity		24 V / 250 Ah
Integrated charger (V / A)		24 V / 30 A
Miscellaneous		
Number of cycles with STD Battery (HIRD)		39
Ground Pressure		11.30 daN/cm²
Hydraulic Pressure		140 Bar
Hydraulic tank capacity		22 l
Vibration on hands/arms		< 2.50 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)

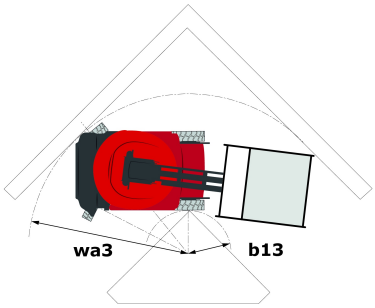
Load chart

Load Chart metric



Dimensional drawing





Equipment

Standard
2 LED front headlights with protective grille
2 rear position headlights with LED
2 vertical detection radars
3 anti-static braids
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Backlit control panel
Battery charge indicator lamp
CAN bus technology
Emergency stop button in platform and on frame
Fixed pothole protection
Front and side rubber protections
Horn in the platform
Hour meter
Integrated diagnostic assistance
Manual emergency lowering
Multi-voltage integrated charger
Negative-type braking on rear wheels
Non-marking rubber tyres
Platform with open-work floor
Proportional controls
Side reflectors
Slinging and securing rings
Specific platform with multiple working positions
Tool box in platform
Traction battery with centralized recharging
Travel possible at maximum height
Working headlight in platform

Optional
6 kg Powder extinguisher A, B, C
Biodegradable oil
Extreme cold oil
Safety harness

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