

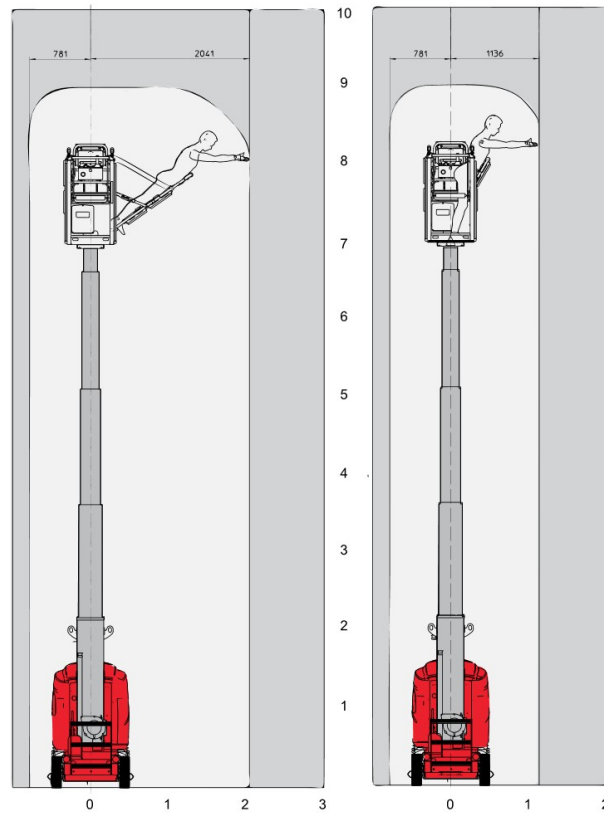
Technical sheet

# 90 V'AIR

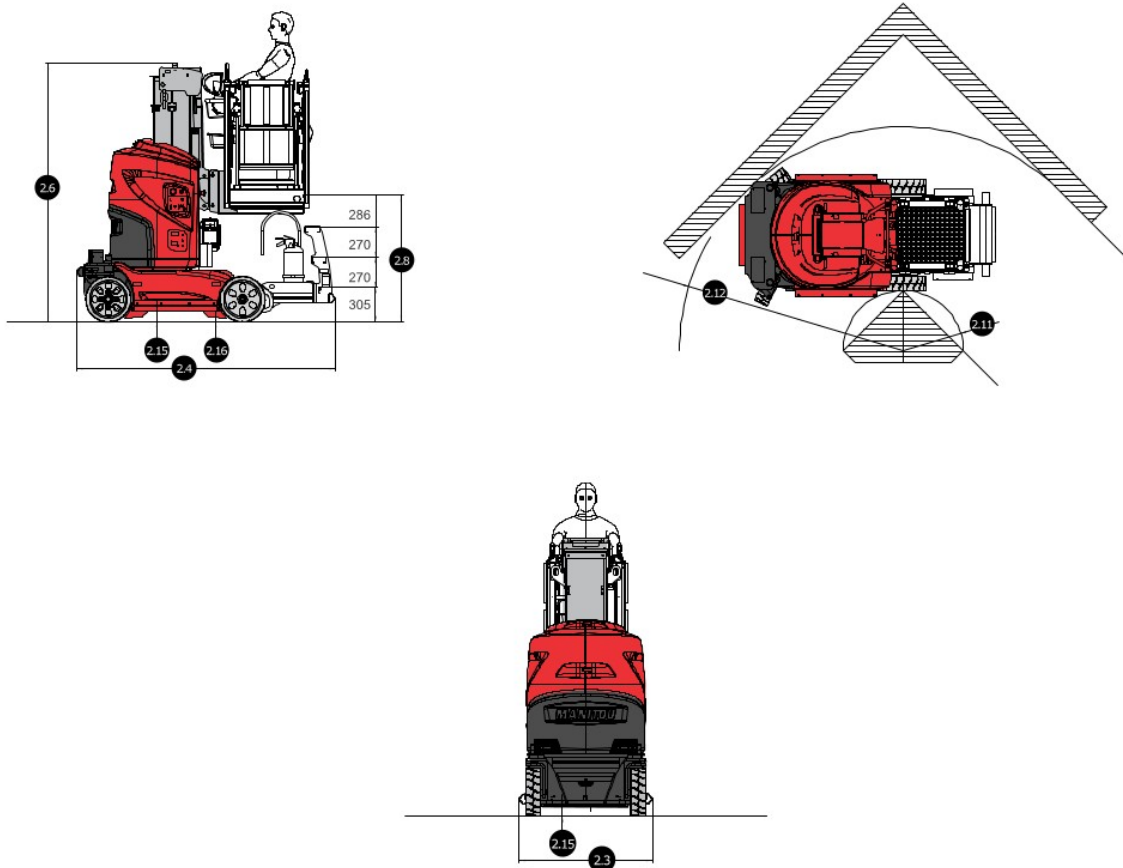
Aerial Work Platforms Electric Vertical Mast



Capacities	Metric
Working height	9 m
Platform height	7 m
Horizontal outreach	2.04 m
Pendular arm rotation (top/bottom)	70 ° / -70 °
Platform capacity	230 kg
Turret rotation	350 °
Number of people (inside/outside)	2 / 2
Weight and dimensions	
2.1 - Platform weight*	2710 kg
2.2 - Platform dimension (L x l)	0,95 x 0,68 m
b1 - Overall width	1.10 m
l1 - Overall length	2.31 m
h17 - Overall height	2.31 m
h20 - Floor height (access)	1.03 m
a7 - Counterweight offset (turret at 90°)	0.05 m
b13 - Inner turning radius	0.55 m
wa3 - Outer turning radius	1.98 m
m2 - Ground clearance at center of frame	0.10 m
2.16 - Plugs / stability bars ground clearance	0.03 m
y - Wheelbase	1.20 m
Performances	
Travel speed	4.50 km/h
Working speed	0.60 km/h
Gradeability	25 %
Permissible leveling	2 °
Tires	
Type of tires	No Marking
Drive wheels (front/rear)	0 / 2
Steering wheels (front/rear)	2 / 0
Braking wheels (front/rear)	0 / 2
Engine	
Electric pump	2.20 kW
Batteries (C5)	24 V / -
Integrated charger	24 V / 30 Ah
Miscellaneous	
Number of cycles (EARL)	39
Ground pressure	11.30 daN/cm <sup>2</sup>
Maximum available hydraulic pressure	140 bar
Capacity of hydraulic tank	22 l



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

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 tires

Platform with open-work floor

Proportional controls

Slings and securing rings

Tool box in platform

Traction battery with centralized recharging

Travel possible at maximum height

## Aeronautical standard

2 LED front headlights with protective grille

2 rear position headlights with LED

2 vertical detection radars

3 anti-static braids

6 kg Powder extinguisher A, B, C

Backlit control panel

Biodegradable oil

Front and side rubber protections

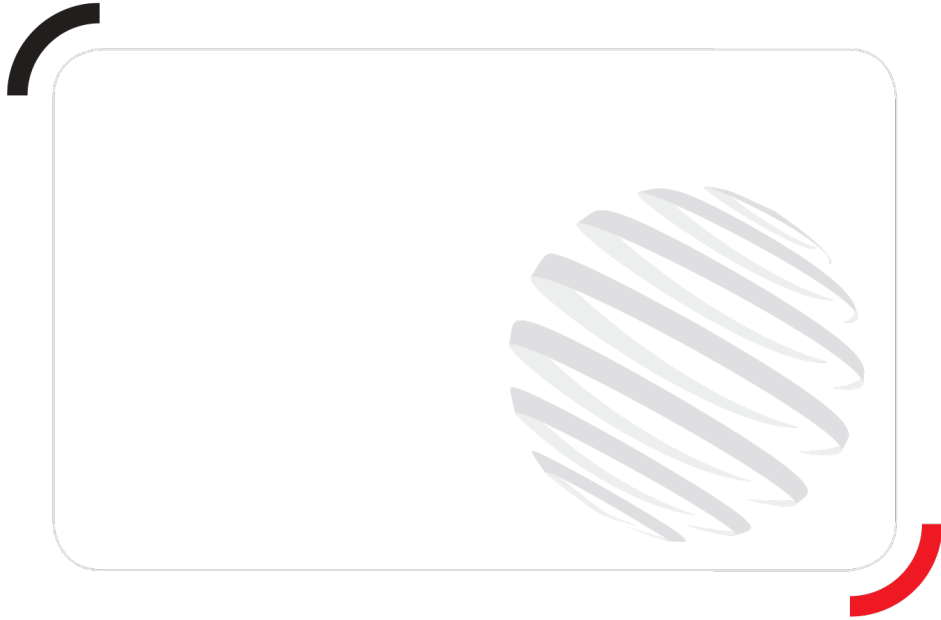
Extreme cold oil

Safety harness

Side reflectors

Specific platform with multiple working positions

Working headlight in platform



Siège Social  
430 rue de l'Aubinière - 44150 Ancenis Cedex - France  
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97  
[www.manitou.com](http://www.manitou.com)



This brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,547,824 euros - 857 802 508 RCS Nantes