Technical sheet:

90 V'AIR







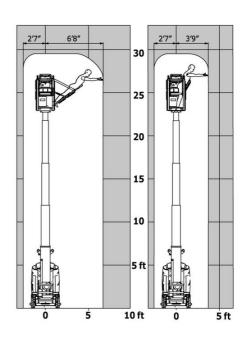
		90 VAIR Created on July 3, 2025 at 7:49 PM U		
Capacities		Metric	Imperial	
Working height	h21	9 m	29 ft 6 in	
Platform height	h7	7 m	23 ft	
Maximum outreach		2.04 m	6 ft 8 in	
Platform capacity	Q	230 kg	507 lb	
Turret rotation		350 °	350 °	
Number of people (indoor / outdoor)		2 / 2	2 / 2	
Weight and dimensions				
Platform weight*		2710 kg	5975 lb	
Platform dimensions (length x width)	lp / ep	0.95 m x 0.68 m	3 ft 1 in x 2 ft 3 in	
Floor height (access)	h20	1.03 m	3 ft 5 in	
Overall length	l1	2.31 m	7 ft 7 in	
Overall width	b1	1.10 m	3 ft 7 in	
Overall height	h17	2.31 m	7 ft 7 in	
Counterweight offset (turret at 90°)	a7	0.04 m	2 in	
Counterweight Oversize / Reach		0.05 m	2 in	
External turning radius	Wa3	1.98 m	6 ft 6 in	
Ground clearance at centre of wheelbase	m2	0.09 m	4 in	
Wheelbase	у	1.20 m	3 ft 11 in	
Performances				
Drive speed - stowed		4.50 km/h	3 mph	
Drive speed - raised		0.60 km/h	0.37 mph	
Gradeability		25 %	25 %	
Permissible leveling		2 °	2 °	
Wheels				
Tires type		Non marking	Non marking	
Standard tires		406 x 127 mm	406 x 127 mm	
Drive wheels (front / rear)		0 / 2	0 / 2	
Steering wheels (front / rear)		2 / 0	2 / 0	
Braking wheels (front / rear)		0 / 2	0 / 2	
Engine/Battery				
Electric engine power rating		2 x 1.50 kW	2 x 1.50 kW	
Number of hydraulic pump / Capacity of hydraulic pump		2 x 4.20 cm³	2 x 0.26 in ³	
Battery voltage		24 V	24 V	
Battery capacity		250 Ah	250 Ah	
On-board charger (V / A)		24 V / 30 A	24 V / 30 A	
Miscellaneous				
Number of cycles with STD Battery (HIRD)		39	39	
Ground Pressure		11.30 dan/cm2	164 PSI	
Hydraulic Pressure		140 bar	2031 PSI	
Hydraulic tank capacity		22	6 US gal	
Standards compliance			3 55 ga.	
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)	European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)	

90 V'Air - Load chart

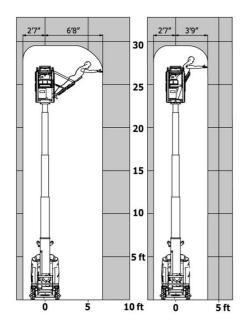
Load Chart for MEWP Metric

781 2041 10 781 1136 9 8 7 7 6 6 5 4 4 3 2 1 m

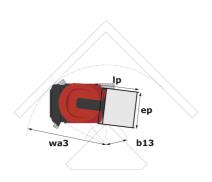
Load Chart for MEWP (Imperial)



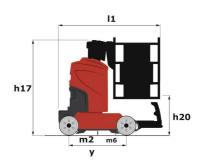
Load Chart imperial



90 V'Air - Dimensional drawing







Equipment

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

Optional

6 kg Powder extinguisher A, B, C

Traction battery with centralized recharging
Travel possible at maximum height
Working headlight in platform

Biodegradable oil

Cold weather protection oil

Safety kit - Harness + helmet





Head Office

B.P. 249 - 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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes