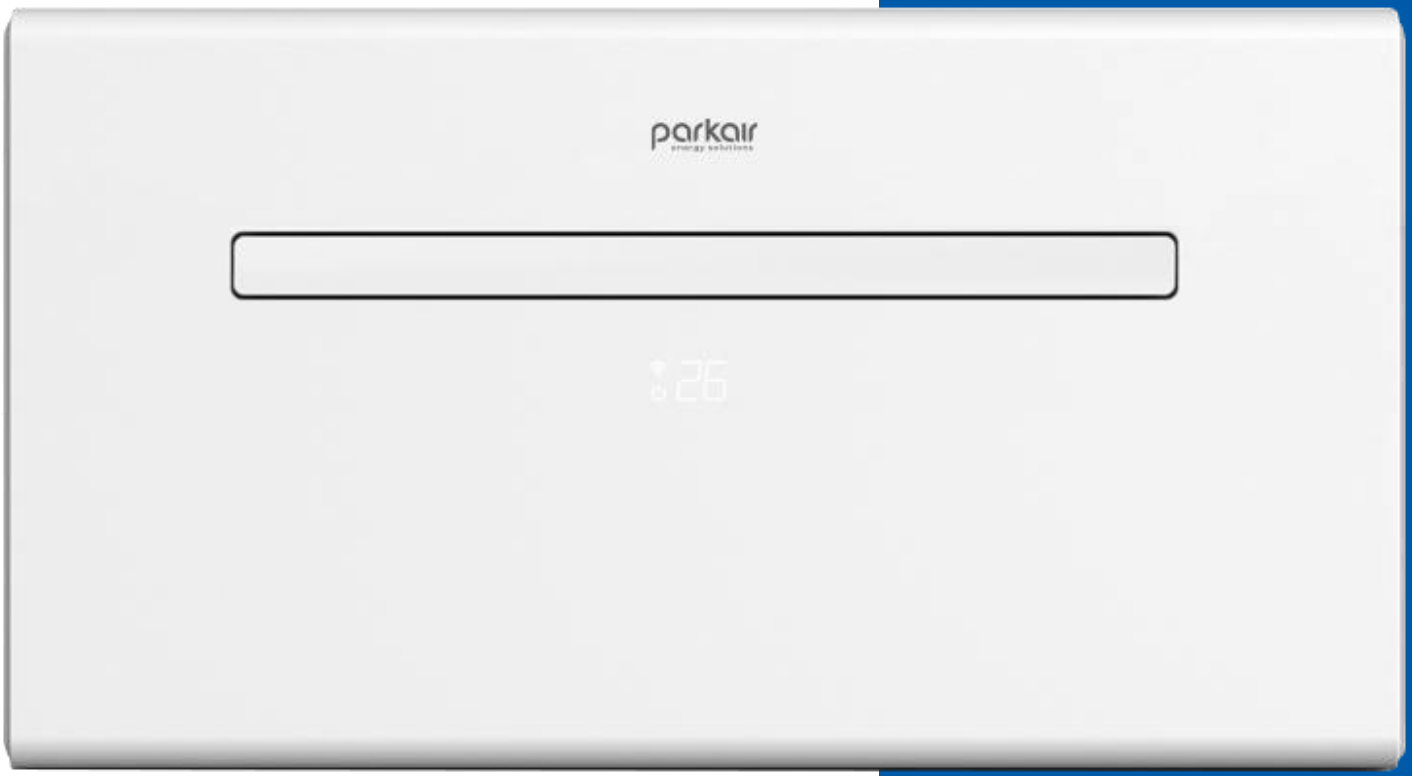
parkair
invisible comfort

TECHNICAL DATA SHEET

MCWFP - AiROCK ACQUA

MONOBLOC HEAT PUMP WITHOUT HOLES IN THE FACADE

WATER / AIR SYSTEM



THE ART OF INVISIBLE COMFORT

Technical Data Sheet – MCWFP AiROCK Acqua – Rev. 01 – [03-06-2026]

All publication rights reserved by Parkair Srl.

This work is protected by copyright. Any use beyond the limits permitted by copyright law, without the consent of Parkair Srl, is illegal and punishable by law. We reserve the right to make changes.

Although the utmost care has been taken with all images and descriptions to ensure their accuracy, Parkair Srl reserves the right to correct errors and modify technical data and images without notice. The data is based on the latest product information available at the time of drafting and printing of this technical data sheet. We reserve the right to discontinue the sale of any product or the entire sales programme without prior notice.

Images are for illustrative purposes only. Despite our efforts, we cannot guarantee that colours, proportions or other graphic elements are displayed correctly on printed materials or electronic displays. Products may differ from the image. For any information, please contact us at: info@parkair.it

INDEX

DESCRIPTION 4
ENERGY LABELS 5
TECHNICAL DATA 6

DESCRIPTION

MONOBLOC HEAT PUMP MCWFP - AiROCK ACQUA

AiROCK Acqua redefines the concept of water/air conditioning, offering an advanced solution that combines energy efficiency, environmental responsibility and ease of installation. The unit requires no drilling and features a closed refrigerant circuit, which does not require an F-Gas licence for installation or maintenance. This makes AiROCK Acqua a truly plug & play system: simply plug in the Schuko plug for an immediate connection.

Equipped with a state-of-the-art inverter compressor and using R32 refrigerant, AiROCK Acqua not only ensures exceptional performance and precise control of room temperature, but does so with a low environmental impact. The integrated H2O Inverter system further optimises water and electricity consumption, guaranteeing significant savings and superior energy efficiency.

The compact design, with a depth of just 17 cm, allows AiROCK Acqua to be installed in any environment, whether residential or commercial. It stands out for its ease of use, efficiency and sustainability, offering an unrivalled eco-friendly air conditioning solution without the need for specialist technical skills for installation. Also ideal for water loop applications (also known as WLHP).

FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER): The MCWFP AiROCK utilises the FULL INVERTER system to ensure maximum comfort in all seasons, with the lowest energy consumption in the industry and incredible quietness. The unit is equipped with a Panasonic DC Inverter compressor, an electronic modulating valve to limit water consumption and automatic control of all functions (heating, cooling, dehumidification and ventilation).

The unit consists of:

- high-efficiency Panasonic DC Inverter compressor.
- fan unit with continuously modulating DC Inverter motor.
- high-efficiency water/gas heat exchanger.
- electronic modulating valve for continuous water flow rate control (H2O Inverter system).
- condensate collection tray with integrated drain.
- integrated Wi-Fi module for remote control via app available on Apple Store and Google Store.

Features

Cooling, Heating, Ventilation and Dehumidification

Main features

- Plug & Play system: no refrigeration installation required
- Closed refrigerant circuit: no F-Gas licence required
- Full Inverter System DC Inverter + H2O Inverter
- Panasonic DC Inverter Compressor
- Electronic modulating valve for continuous water consumption control
- R32 Refrigerant Gas
- Energy efficiency class A+++/A++
- Single-phase power supply
- Depth of only 17 cm
- Operating modes: cooling, heating, dehumidification, ventilation
- Compliant with urban and condominium regulations
- Integrated Wi-Fi connection
- Window contact (I/O)

ENERGY LABELS

Energy consumption representation for each machine model.

MCWFP - AiROCK ACQUA	
PRK-MCWFP-12	A+++ / A++

TECHNICAL DATA

Description	Unit	PRK-MCWFP-12
CAPACITIES AND PERFORMANCE		
Model	-	PRK-MCWFP-12
Code	-	242010
Cooling Capacity	kW	3.50
Cooling Capacity (min-max)	kW	1.45 ~ 3.85
Heating Capacity	kW	3.59
Heating Capacity (min-max)	kW	1.50 ~ 4.10
EER	W/W	4.22
COP	W/W	4.48
Energy Class	-	A+++ / A++
Water Flow Rate in Cooling (Min / Max) *	l/h	180 / 740
Water Flow Rate in Heating (Min / Max) *	l/h	180 / 740
Max. Water Temperature in Cooling	°C	≤ 35
Min. Water Temperature in Heating	°C	≥ 10
Water Pressure (Min / Max)	bar	0.8 / 4.0
Hydraulic Connections	inch	1/2"
Power Supply	V/Hz/ph	220~240 / 50 / 1
Cooling Power Input	kW	0.83
Heating Power Input	kW	0.80
REFRIGERANT CIRCUIT		
Refrigerant	-	R-32
Refrigerant Charge	kg	0.55
ACOUSTICS		
Air Flow Volume (SH/H/HM/M/LM/L)	m^3/h	600/550/500/450/400/350
Sound Pressure Level (SH/H/HM/M/LM/L)	dB(A)	44/41/37/33/30/26
Sound Power Level (SH/H/HM/M/LM/L)	dB(A)	54/51/46/42/40/36
DIMENSIONS AND WEIGHT		
Unit Dimension (LxDxH)	mm	1000x170x560
Net Weight	kg	42

*Performance figures given in the technical data refer to the following conditions: Indoor unit test conditions: Cooling: indoor 27°C B.S. Heating: indoor 20°C B.S. COP: 100% capacity at 15°C inlet / 30°C outlet; EER: 100% capacity at 10°C inlet / 7°C outlet. Water flow rate with mains water at the following temperatures: Summer 15°C inlet / 40°C outlet; Winter 15°C inlet / 4°C outlet. The sound pressure level is measured at a distance of 1 metre from the external surface of the unit operating in an open area. Please note: if the inlet water temperature is below 10°C, thermal performance may vary.