parkair
invisible comfort

TECHNICAL DATA SHEET

MCWD SLIM

MONOBLOC DUCTED HEAT PUMP

WATER / AIR SYSTEM



THE ART OF INVISIBLE COMFORT

Technical data sheet – MCWD SLIM – 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 DUCTED HEAT PUMP MCWD SLIM

MCWD SLIM is the compact ducted monobloc unit of the MCW 2.0 range, designed to provide discreet and effective indoor air conditioning for residential, hospitality and light commercial applications. Entirely designed for indoor installation, it requires no visible outdoor unit, no grilles or holes in the facade, helping to preserve the aesthetics of the building and making it particularly attractive for renovation projects and contexts subject to architectural or landscape restrictions. Also ideal for Water Loop applications (also known as WLHP).

The compact structure, with a height of only 30 cm, makes it easy to fit into false ceilings even where available space is limited. The medium static pressure fan enables effective air distribution via ducts and linear grilles, with uniform comfort throughout the rooms. The ability to adjust ventilation speed and air flow rate also allows operation to be optimised according to the project requirements.

Available in 2 sizes, 12,000 and 18,000 BTU, the MCWD SLIM integrates cooling, heating, dehumidification and ventilation in a single solution.

FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER): The FULL INVERTER system (DC Inverter + H2O Inverter), with Sanyo DC Inverter compressor and electronic modulating valve, ensures constant comfort, high quietness and optimised consumption in all seasons.

The unit consists of:

- compact monobloc structure with a height of only 30 cm.
- high-efficiency Sanyo DC Inverter compressor with R32 refrigerant gas.
- high-efficiency water/gas heat exchanger.
- medium-pressure centrifugal fan with continuously modulating DC Inverter motor.
- electronic modulating valve for continuous water flow rate control (H2O Inverter system).
- integrated Wi-Fi module for remote control via app.

Features

Cooling, Heating, Ventilation and Dehumidification

Main features

- Indoor installation: no outdoor unit, no grilles or holes in the facade
- Full Inverter System DC Inverter + H2O Inverter
- Sanyo DC Inverter Compressor
- Medium static pressure centrifugal fan
- R32 Refrigerant Gas
- Energy efficiency class A++/A+
- Height of only 30 cm for false ceilings with limited space
- Single-phase power supply
- Operating modes: cooling, heating, dehumidification, ventilation
- Compliant with urban and condominium regulations
- Integrated Wi-Fi connection
- Ideal for retrofit and building renovation projects
- Electronic modulating valve for continuous control of water consumption

Main accessories:

Remote control Freematch I feel V.25 RC-S5

ENERGY LABELS

Energy consumption representation for each machine model.

MCWD SLIM	
PRK-MCWD-12	A++ / A+
PRK-MCWD-18	A++ / A+

TECHNICAL DATA

Description	Unit	PRK-MCWD-12	PRK-MCWD-18
CAPACITIES AND PERFORMANCE			
Model	-	PRK-MCWD-12	PRK-MCWD-18
Code	-	241101	241106
Cooling Capacity	kW	5,2 (1,5~5,5)	5,2 (1,5~5,5)
Heating Capacity	kW	5,2 (1,5~5,5)	5,2 (1,5~5,5)
EER	W/W	4.38	4.19
COP	W/W	4.46	4.46
Energy Class	-	A++ / A+	A++ / A+
Water Flow Rate in Cooling (Min / Max) *	m^3/h	0.18 / 0.94	0.18 / 0.94
Water Flow Rate in Heating (Min / Max) *	m^3/h	0.18 / 0.94	0.18 / 0.94
Max. Water Temperature in Cooling	°C	≤ 35	≤ 35
Min. Water Temperature in Heating	°C	≥ 10	≥ 10
Water Pressure (Min / Max)	bar	0.8 / 4.0	0.8 / 4.0
Hydraulic Connections	inch	1/2"	1/2"
Power Supply	V/Hz/ph	220~240 / 50 / 1	220~240 / 50 / 1
Cooling Power Input	kW	0.80	1.24
Heating Power Input	kW	0.94	1.17
REFRIGERANT CIRCUIT			
Refrigerant	-	R32	R32
Refrigerant Charge	kg	0.80	0.80
VENTILATION			
Fan Type	-	Centrifugal	Centrifugal
Air Flow Volume	m^3/h	700	850
Available Static Pressure	Pa	50	125
ACOUSTICS			
Sound Pressure Level	dB(A)	44	47
Sound Power Level	dB(A)	56	57
DIMENSIONS AND WEIGHT			
Unit Dimension (LxDxH)	mm	1152x579x300	1152x579x300
Net Weight	kg	45	52

*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.