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TECHNICAL DATA SHEET

HPAF

DUCTED AIR/WATER HEAT PUMPS FOR INDOOR FLOOR-MOUNTED INSTALLATION

AIR / WATER SYSTEM



THE ART OF INVISIBLE COMFORT

Technical data sheet – HPAF – Rev. 01 – [03-06-2026]

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DESCRIPTION

DUCTED AIR/WATER HEAT PUMPS HPAF

The HPAF comprises inverter air/water heat pumps for indoor floor installation, designed for residential and light commercial applications where a complete, neat and technically advanced system is required for installation in a plant room or dedicated space. The monobloc configuration for indoor installation allows the unit to be concentrated within the building, simplifying system integration and offering a particularly attractive solution in contexts where more discreet and secure system management is desired.

The series is designed to operate with air-side ducting, in accordance with the specified installation diagrams, to ensure correct air intake and exhaust.

Available in the HPAF-7, HPAF-10 and HPAF-15 versions, the range covers a wide power range and adapts to different heating requirements thanks to inverter modulation, which allows the unit to vary its operation according to the actual demand of the system. The system is designed to provide heating, cooling and domestic hot water, thus offering a versatile solution for year-round comfort in the building.

Advanced control, modulating power management and the Silent / Night Mode function make the HPAF range suitable for systems focused on efficiency, operational continuity and acoustic comfort. The three available sizes allow you to choose the configuration best suited to the project, whilst maintaining a consistent range in terms of technology, usage and application positioning.

The unit consists of:

- high-efficiency inverter compressor with R454B refrigerant gas.
- EC radial fan.
- integrated Grundfos inverter water pump circulator.
- integrated 3-way valve.
- 7.5 kW integrated electric heater.

The unit is compatible with the following types of fan coil units:

- 2-pipe ducted for ceiling or false ceiling (FCD-EC series)
- 2-pipe wall-mounted (FCW-EC series)
- 2-way 2-pipe cassette, ceiling-recessed (FCK-EC series)
- 2-pipe wall-recessed (FCI-EC series)
- 2-pipe floor-standing (FCF-EC series)

Also combinable with Radiant Panels, Radiators or Aluminium Radiators.

Features

Heating, Cooling and DHW Production

Main features

- Indoor floor-mounted installation
- Integrated circulator
- Integrated 3-way valve
- Automatic defrost
- Inverter system
- R454B Refrigerant
- Water up to 65°C
- Operation down to -20°C
- 7.5 kW integrated electric heater
- Compliant with urban and condominium regulations
- Wi-Fi connection
- Siemens RVS control
- Remote control App/Web/Modbus
- Electronic modulating valve for continuous control of water consumption

ENERGY LABELS

Energy consumption representation for each machine model.

HPAF	
PRK-HPAF-07	A++ / A++
PRK-HPAF-10	A+++ / A++
PRK-HPAF-15	A+++ / A++

TECHNICAL DATA

Description	Unit	PRK-HPAF-07	PRK-HPAF-10	PRK-HPAF-15
CAPACITIES AND PERFORMANCE				
Model	-	PRK-HPAF-07	PRK-HPAF-10	PRK-HPAF-15
Code	-	141600	141605	141610
Cooling Capacity / Heating Capacity	kW	8.9 / 8.0	11.9 / 10.7	14.0 / 16.5
COP	W/W	5.10	5.02	5.03
Energy Class	-	A++ / A++	A+++ / A++	A+++ / A++
Power Supply	-	Three-phase	Three-phase	Three-phase
Built-in electric heater	kW	7.5	7.5	7.5
COMPONENTS				
Fan	-	EC Radial	EC Radial	EC Radial
Circulator pump	-	Grundfos - Inverter Water Pump	Grundfos - Inverter Water Pump	Grundfos - Inverter Water Pump
ACOUSTICS				
Sound Power Level LwA	dB(A)	54	56	58
OPERATION				
Features	-	Heating, Cooling and DHW Production	Heating, Cooling and DHW Production	Heating, Cooling and DHW Production
Operating limits	°C	-23 / +45	-23 / +45	-23 / +45
Control	-	Siemens RVS	Siemens RVS	Siemens RVS
Remote control	-	App / Web / Modbus	App / Web / Modbus	App / Web / Modbus
DIMENSIONS AND WEIGHT				
Installation	-	Indoor floor-standing	Indoor floor-standing	Indoor floor-standing
Unit Dimension (LxDxH)	mm	985x791x1734	985x791x1734	985x791x1734
Net Weight	kg	250	255	260