parkair
invisible comfort

TECHNICAL DATA SHEET

FCI-EC

2-PIPE BUILT-IN WALL-MOUNTED FAN COIL UNIT

HYDRONIC SYSTEMS WATER/WATER AND AIR/WATER



THE ART OF INVISIBLE COMFORT

Technical data sheet – FCI-EC – Rev. 01 – [date]

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DESCRIPTION

2-PIPE BUILT-IN WALL-MOUNTED FAN COIL UNIT FCI-EC

The Built-in Wall-Mounted Fan Coil Unit is a design jewel for indoor comfort, compatible with hydronic systems and suitable for WHP3, AHP3, HPAW and HPAF heat pumps. It offers outputs from 2 kW to 9 kW, with installation that enhances spaces and minimises noise.

The unit features a brushless motor that ensures wide modulation of air flow, maximum quietness and longevity. With heating, cooling, dehumidification and ventilation functions, it can be controlled via wired or IR controls. Ideal for spaces where style and comfort meet.

The unit is compatible with:

- WHP3 range
- AHP3 range
- HPAW range
- HPAF range

Features

Cooling, Heating, Ventilation and Dehumidification

Main features

- Vertical wall recessed installation
- DC motor
- Cover panel
- Condensate collection tray
- Robust structure
- Air filter
- Compact size
- Modern, minimalist design
- Low noise level
- Compatible with any type of hydronic heat pump

Main accessories:

- 3-way valve 1/2" mounted with ON/OFF 220V servo - V3V-FCI-1EC
- Wall control with thermostat mod. CR26 - WC-1EC

TECHNICAL DATA

Description	Unit	PRK-FCI-20EC	PRK-FCI-30EC	PRK-FCI-40EC	PRK-FCI-60EC	PRK-FCI-75EC	PRK-FCI-90EC
CAPACITIES AND PERFORMANCE							
Model	-	PRK-FCI-20EC	PRK-FCI-30EC	PRK-FCI-40EC	PRK-FCI-60EC	PRK-FCI-75EC	PRK-FCI-90EC
Code	-	162001	162005	162010	162015	162020	162025
Total Cooling Capacity	kW	2.00	3.00	4.20	6.40	7.50	9.00
Sensible Cooling Capacity	kW	1.60	2.40	3.50	5.00	5.80	7.30
Heating Capacity (70°C)	kW	4.90	6.70	9.40	13.30	15.50	19.70
Power Supply	V/Hz/ph	220~240 / 50 / 1	220~240 / 50 / 1	220~240 / 50 / 1	220~240 / 50 / 1	220~240 / 50 / 1	220~240 / 50 / 1
VENTILATION							
Air Flow Volume	m^3/h	400	550	720	1050	1280	1720
HYDRAULIC							
Cooling Water Flow Rate	l/h	356	531	781	1137	1321	1596
Cooling Pressure Drop	kPa	17.5	21.7	27.5	28.7	29.9	29.0
Heating Water Flow Rate	l/h	437	591	870	1180	1361	1752
Heating Pressure Drop	kPa	20.5	20.9	26.7	24.1	24.8	27.2
Hydraulic connections	inches	1/2" F	1/2" F	1/2" F	1/2" F	1/2" F	1/2" F
Condensate drain	mm	20	20	20	20	20	20
ACOUSTICS							
Sound Pressure Level	dB(A)	38	45	37	45	48	49
DIMENSIONS AND WEIGHT							
Dimension with panel (LxDxH)	mm	700x235x670	900x235x670	1100x235x670	1300x235x670	1500x235x670	1700x235x670
Weight (fan coil+plenum+frame+ panel)	kg	24.1	30.5	39.9	46.6	51.6	58.0
INSTALLATION AND CONTROL							
Installation	-	Vertical Wall Mounted	Vertical Wall Mounted	Vertical Wall Mounted	Vertical Wall Mounted	Vertical Wall Mounted	Vertical Wall Mounted
Control	-	Optional	Optional	Optional	Optional	Optional	Optional