

Aquarea Air Smart fan coils

Stylish, compact fan coil units for high comfort and energy savings.

+ MORE FAN COIL OPTIONS IN CHILLERS SECTION



Remote control with Aquarea Home App.

* Requires Wi-Fi control or Home Network Hub PCZ-ESW737.



Aquarea Home



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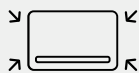
AC SELECT.

Smart and user-friendly the new air conditioning selection program: <https://acselect.panasonic.eu/>

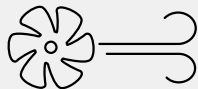


Aquarea Air Smart fan coils have a minimal visual impact and can be elegantly integrated into any home or office environment, adapting to any type of furniture.

Designed to provide both heating and cooling in one compact unit, they maximise energy savings when combined with an Aquarea Heat Pumps.



Sophisticated and slim design, with an elegant metal body.



Self-modulated air flow control by the unit (PI logic) and brushless DC fan motor with Inverter.



Versatile with a range of installation options.



Wide range of control options, including on-board or wall-mounted controls.

Self-modulated air-flow control by the unit.

The fan speed is no longer "stepped" but continuously modulated with proportional and integrative logic: this reduces both noise and annoying air movements.

Aquarea Air Smart fan coil floor standing.

Even narrower and thinner fan coils.



Aquarea Air Smart fan coil wall-mounted.

The thinnest and most quietest in its class.



Aquarea Air Smart fan coil ducted / ducted thin.

Variable speed, constant air flow.



Ducted

Ducted thin

Ducted multi zone

Ducted multi zone thin

Aquarea Air Smart fan coil floor standing

Slim chassis profile, only 119 mm / RAL 9003 / DC Inverter – maximising comfort and energy savings / Modulated air flow.
Possible configurations: Left or right water connections / 2 or 3 way valves as accessories / On-board or wall mounted control or PCB for analog input (0-10 V)



Model (the complete model codes are shown in the table below)		P-FAL10	P-FAL20	P-FAL30	P-FAL35	P-FAL40
Fan speed ¹⁾		Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max
Total cooling capacity ²⁾	kW	0,43/0,73/0,91	0,75/1,36/2,12	1,15/2,08/2,81	1,32/2,39/3,30	1,36/2,57/3,71
Sensible capacity ²⁾	kW	0,29/0,51/0,71	0,59/1,04/1,54	0,83/1,51/2,11	1,02/1,84/2,65	1,05/1,98/2,90
Water flow ²⁾	l/h	73,67/125,07/155,91	128,50/233,01/363,22	197,03/356,36/481,43	226,15/409,48/565,39	—
Water pressure drop ^{2) 3)}	kPa	5,7/10,2/12,1	1,9/4,3/8,2	2,7/9,9/17,1	2,5/8,8/18,0	—
Heating capacity ⁴⁾	kW	0,37/0,69/1,00	0,82/1,50/2,19	1,19/2,15/2,99	1,45/2,56/3,73	1,47/2,78/4,23
Water flow ⁴⁾	l/h	65,11/120,91/179,87	144,60/269,80/389,71	211,61/380,89/532,55	259,22/456,72/671,86	—
Water pressure drop ^{3) 4)}	kPa	2,6/6,8/9,1	1,5/4,3/9,2	2,7/9,3/19,1	3,0/8,9/21,2	—
Sound levels						
Sound power	dB(A)	37/47/54	37/47/54	37/47/57	37/47/55	37/48/58
Sound pressure ⁵⁾	dB(A)	24/33/41	25/34/42	26/34/44	26/35/46	28/38/47
Ventilation						
Number of fans		1	1	1	1	1
Air flow	m³/h	49/91/146	124/210/294	194/318/438	302/410/567	364/479/663
Maximum static pressure	Pa	10	10	13	13	13
Electrical data						
Power supply	V / Phase / Hz	V	230/1/50	230/1/50	230/1/50	230/1/50
Consumption	W	7,0/9,0/13,0	14,0/18,0/22,0	16,0/20,0/24,0	18,0/22,0/26,5	—
Water connections						
Hydraulic connections type		Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections	Inch	¾	¾	¾	¾	¾
Dimension and weight						
Dimension / Weight	H x W x D	mm / kg	580 x 680 x 119/13	580 x 880 x 119/16	580 x 1080 x 119/18	580 x 1280 x 119/20
			580 x 1480 x 119/23			

1) Fan standard factory set speeds, 2) According to Eurovent standard, Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C, 3) Pressure loss by corresponding nominal flow, 4) According to Eurovent standard, Air: 20 °C, hot water: 45 °C/40 °C, 5) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).

Option 1. Standard configurations with built-in accessories

Fan coil with on-board display

Left-hand piping, vertical installation, built-in 3 way valve

P-FAL10SC-HLE

P-FAL20SC-HLE

P-FAL30SC-HLE

P-FAL35SC-HLE

P-FAL40SC-HLE

Fan coil with wall-mounted control

Left-hand piping, vertical installation, built-in 3 way valve

P-FAL10SC-RLE

P-FAL20SC-RLE

P-FAL30SC-RLE

P-FAL35SC-RLE

P-FAL40SC-RLE

Control (required, to be ordered separately)	With Modbus	PCZ-EEB749
	With integrated Wi-Fi	PCZ-EFB749

Option 2. Configure your own Aquarea Air Smart fan coil floor standing unit

Left-hand piping	Right-hand piping
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P-FAL10SC-00E

P-FAL10DC-00E

P-FAL20SC-00E

P-FAL20DC-00E

P-FAL30SC-00E

P-FAL30DC-00E

P-FAL35SC-00E

P-FAL35DC-00E

P-FAL40SC-00E

P-FAL40DC-00E

Control options (required)	On-board display	With Modbus	PCZ-ECA844
		With integrated Wi-Fi	PCZ-EWA844
	Wall-mounted control	With Modbus	PCZ-ESE845 + PCZ-EEB749
		With integrated Wi-Fi	PCZ-ESE845 + PCZ-EFB749
	PCB for analog control (0-10 V)		PCZ-B10842

Valve kits (optional)	3 way valve with motor	PCZ-V30720
	2 way valve with motor	PCZ-V20139

Condensate drip tray for horizontal installation (optional)	For P-FAL10	PCZ-GB0520
	For P-FAL20	PCZ-GB0521
	For P-FAL30	PCZ-GB0522
	For P-FAL40	PCZ-GB0523
	For P-FAL50	PCZ-GB0524

Accessories and options

PCZ-LC0158 Feet for floor pipe cover

Accessories and options

PCZ-LC0606 Feet for anchoring the unit to the floor

Control options.

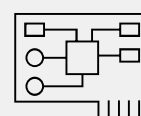
On-board display with Modbus or integrated Wi-Fi.



Wall-mounted control with Modbus or integrated Wi-Fi.
 PCZ-EEB749 /
 PCZ-EFB749



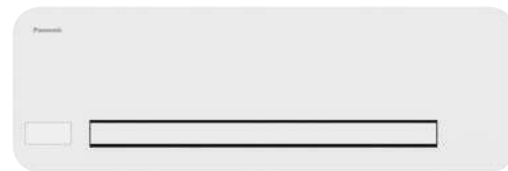
PCB for analog control (0-10 V).
 PCZ-B10842



Aquarea Air Smart fan coil wall-mounted

Slim chassis profile, only 128 mm / RAL 9003 / DC Inverter – maximising comfort and energy savings / Modulated air flow.

Possible configurations: Left or right water connections / 2 or 3 way valves as accessories / On-board or wall mounted control or PCB for analog input (0-10 V)



Model (the complete model codes are shown in the table below)			P-FMM10	P-FMM15	P-FMM20	P-FMM40
Fan speed ¹⁾			Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max
Total cooling capacity ²⁾	kW		0,49/0,88/1,24	0,62/1,08/1,61	0,70/1,21/1,94	1,32/2,66/3,94
Sensible capacity ²⁾	kW		0,37/0,70/0,98	0,52/0,86/1,27	0,57/1,02/1,52	1,08/2,05/2,92
Water flow ²⁾	l/h		84,00/150,80/212,40	106,20/185,00/275,80	119,90/207,30/332,40	226,40/455,30/674,30
Water pressure drop ²⁾	kPa		4,8/10,5/11,7	4,7/5,6/5,1	5,5/5,4/5,3	1,8/6,0/12,1
Heating capacity ³⁾	kW		0,54/0,98/1,45	0,76/1,30/1,93	0,78/1,49/2,28	1,63/3,04/4,44
Water flow ³⁾	l/h		97,00/176,30/264,50	139,30/239,80/354,40	141,10/273,30/414,40	296,40/547,00/800,90
Water pressure drop ³⁾	kPa		5,1/12,0/16,3	4,8/6,3/7,2	6,0/6,4/8,1	2,3/6,9/14,1
Sound levels						
Sound power	dB(A)		35/46/53	36/47/54	37/48/58	38/48/62
Sound pressure ⁴⁾	dB(A)		25/33/40	25/34/41	26/34/42	27/37/51
Ventilation						
Air flow	m³/h		84/155/228	124/229/331	138/283/440	230/480/788
Electrical data						
Power supply	V / Phase / Hz	V	230/1/50	230/1/50	230/1/50	230/1/50
Consumption	W		5/8/19	5/9/20	5/11/29	8/23/30
Water connections						
Hydraulic connections type			Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections	Inch		¾	¾	¾	¾
Dimension and weight						
Dimension / Weight	H x W x D	mm / kg	335 x 815 x 128 / 14	335 x 1015 x 128 / 16	335 x 1215 x 128 / 19	335 x 1215 x 215 / 24

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).

Option 1. Standard configurations with built-in accessories

Fan coil with on-board display and wireless IR control

Right-hand piping, built-in 3 way valve

P-FMM10DC-QNE

P-FMM15DC-QNE

P-FMM20DC-QNE

P-FMM40DC-QNE

Fan coil with wall-mounted control

Right-hand piping, built-in 3 way valve

P-FMM10DC-RNE

P-FMM15DC-RNE

P-FMM20DC-RNE

P-FMM40DC-RNE

Control (required, to be ordered separately)	With Modbus	PCZ-EEB749
	With integrated Wi-Fi	PCZ-EFB749

Option 2. Configure your own Aquarea Air Smart fan coil wall-mounted unit

Fan coil with on-board display and wireless IR control

Left-hand piping

Right-hand piping

P-FMM10SC-Q0E

P-FMM10DC-Q0E

P-FMM15SC-Q0E

P-FMM15DC-Q0E

P-FMM20SC-Q0E

P-FMM20DC-Q0E

—

P-FMM40DC-Q0E

Fan coil with wall-mounted control

Left-hand piping

Right-hand piping

P-FMM10SC-R0E

P-FMM10DC-R0E

P-FMM15SC-R0E

P-FMM15DC-R0E

P-FMM20SC-R0E

P-FMM20DC-R0E

—

P-FMM40DC-R0E

Control (required, to be ordered separately)	With Modbus	PCZ-EEB749
	With integrated Wi-Fi	PCZ-EFB749

Fan coil with PCB for analog control (0-10 V)

Left-hand piping

Right-hand piping

P-FMM10SC-V0E

P-FMM10DC-V0E

P-FMM15SC-V0E

P-FMM15DC-V0E

P-FMM20SC-V0E

P-FMM20DC-V0E

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P-FMM40DC-V0E

Valve kits (optional)

PCZ-V30688 3 way valve with motor for models 10, 15, 20

PCZ-V30718 3 way valve with motor for model 40

PCZ-V20687 2 way valve with motor for models 10, 15, 20

PCZ-V20139 2 way valve with motor for model 40

Control options.

On-board display with Modbus or integrated Wi-Fi.



Wall-mounted control with Modbus or integrated Wi-Fi.

PCZ-EEB749 /
PCZ-EFB749



PCB for analog control (0-10 V).

