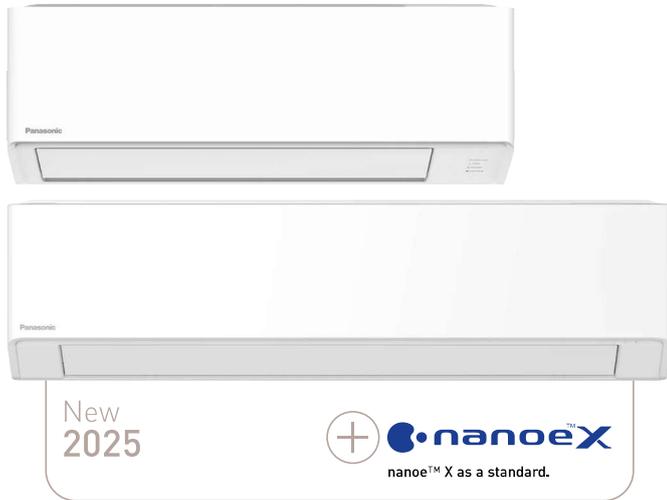


# New fan coil wall DC fan – FK1

Fan coil wall units with new stylish design and nanoe™ X (Mark 3).

**Cooling capacity: 1,9 to 5,2 kW.**

**Heating capacity: 2,2 to 5,3 kW.**



Optional controller.  
WRC remote control.



Optional controller.  
SRC - mini BMS  
controller.



Optional controller.  
Electronic controller  
TControl POD glass.



Optional controller.  
Electronic controller  
TControl EASY 3S.



Optional controller.  
Wired remote controller  
with touch control.  
PAW-FC-907EC



Optional controller.  
Wired remote controller.  
PAW-FC-903EC



Optional controller. CONEX  
Series, white or black.  
CZ-RTC6W/BL/BLW2 or  
CZ-RTC6/BL/BLW2



Optional controller.  
Wired remote controller  
with Econavi function.  
CZ-RTC5B



Optional controller.  
Infrared remote controller  
for wall-mounted.  
CZ-RWS3

## The range at a glance

- Versions (2-pipes): with 3 way valve
- 6 sizes
- DC fan for better efficiency and control
- Air flow from 360 to 1045 m<sup>3</sup>/h
- G1 cleanable air filter

## Advantages

- Modern stylish design with flat face and compact size
- Motorized louvers
- Six directional piping outlet
- nanoe™ X (Generator Mark 3) as standard for better indoor air quality
- Quieter operation than AC fan models
- Very easy servicing through a removable front panel
- Cleanable synthetic-type air filter
- Compatibility with a wide range of controllers
- Ideal for commercial and residential applications in combination with Aquarea Heat Pumps

## Accessories and options

Modbus communication board for Plologic

SRC - mini BMS controller

WRC: wall-mounted remote control for Plologic

Plologic controller (other electromechanical or electronic control systems also available)

TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)

CZ-RWS3 - infrared remote controller

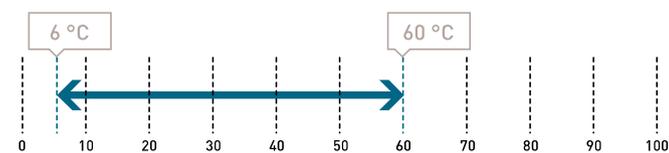
CZ-RTC5B - wired remote controller with Econavi function

CZ-RTC6 - CONEX Series wired remote controller

CZ-CENSC1 - Econavi energy saving sensor

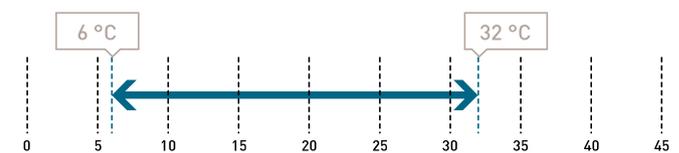
## Operating limits

Entering water temperature (without glycol).



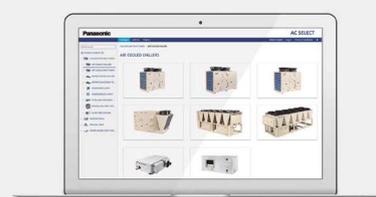
Maximum operating pressure: 10 bar.

Indoor air temperature.



## AC SELECT.

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



Technical features

Fan coil wall DC fan - FK1		S-19FK1E	S-24FK1E	S-27FK1E	S-36FK1E	S-45FK1E	S-52FK1E
		H/M/L	H/M/L	H/M/L	H/M/L	H/M/L	H/M/L
<b>2-pipes, with/without 3 way valve</b>							
Total cooling capacity <sup>1)</sup>	kW	1,90/1,65/1,40	2,41/2,17/1,92	2,73/2,51/2,02	3,61/3,11/2,65	4,50/3,78/3,02	5,23/4,63/4,03
Sensible capacity <sup>1)</sup>	kW	1,54/1,35/1,10	1,91/1,71/1,50	2,19/2,00/1,59	2,98/2,52/2,12	3,41/2,84/2,25	4,02/3,51/3,04
Water flow <sup>1)</sup>	l/h	342/295/250	432/389/344	489/449/362	648/556/473	809/680/539	908/830/724
Water pressure drop (coil only)	kPa	8/6/4	13/11/8	17/14/9	30/22/16	42/30/19	56/44/34
Water pressure drop (with 3 way valve) <sup>1)</sup>	kPa	29/23/18	36/29/25	44/39/26	74/57/42	110/80/53	142/112/90
Air flow <sup>1)</sup>	m <sup>3</sup> /h	345/276/230	416/361/324	480/434/343	710/572/462	753/603/488	879/753/637
Input power <sup>1)</sup>	W	12/11/10	14/12/12	16/14/12	26/19/15	22/17/13	29/23/18
Sound pressure Lp <sup>1)2)</sup>	dB(A)	27	26	29	39	35	40
Sound power Lw <sup>1)</sup>	dB(A)	43	42	45	55	51	56
Heating capacity <sup>3)</sup>	kW	2,23/1,92/1,59	2,72/2,39/1,97	3,01/2,64/2,18	4,03/3,48/2,89	5,13/4,21/3,09	5,33/4,72/4,03
Water flow <sup>3)</sup>	l/h	381/329/281	481/417/339	533/463/379	715/614/508	898/740/544	931/827/710
Water pressure drop (coil only)	kPa	10/8/5	16/12/8	20/15/10	36/27/18	52/36/19	56/44/33
Water pressure drop (with 3 way valve) <sup>3)</sup>	kPa	30/24/18	39/31/23	47/36/25	72/60/42	118/82/46	128/97/74
Air flow <sup>3)</sup>	m <sup>3</sup> /h	406/314/253	489/425/343	545/471/379	765/646/517	925/730/511	960/810/672
Input power <sup>3)</sup>	W	13/12/10	15/14/12	17/15/13	28/21/16	32/21/14	35/26/19
Sound pressure Lp <sup>2)3)</sup>	dB(A)	29/27/24	29/26/22	32/28/23	41/36/30	42/36/28	43/39/34
Sound power Lw <sup>3)</sup>	dB(A)	45/43/40	45/42/38	48/44/39	57/52/46	58/52/44	59/55/50
<b>Water Connection</b>							
Connection type		Gas female threaded					
	Inch	1/2	1/2	1/2	1/2	1/2	1/2
nanoe X Generator		Mark 3					
<b>Dimensions and weight</b>							
Dimension	H x W x D	mm	295 x 890 x 244	295 x 1060 x 249			
Weight		kg	12	13	13	13	14

Energy efficiency class <sup>1)</sup>

Fan coil wall DC fan - FK1		S-19FK1E		S-24FK1E		S-27FK1E		S-36FK1E		S-45FK1E		S-52FK1E	
2-pipes	FCEER <sup>1)</sup>	A to E	B	B	B	B	B	A	A				
	$\eta_{s,c}$	%	144,2	166,9	172,1	169,3	226,8	213,0					
	FCCOP <sup>3)</sup>	A to E	B	B	B	B	B	B					
	$\eta_{s,h}$	%	160,0	167,0	170,5	173,4	208,5	198,0					

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) The sound pressure of the indoor unit shows the value measured of a position of 1 m in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with JIS C 9612. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

Pipe Connections

