

FCW Fan coil Wall installation

Accessory TLW1



Accessory PFW

**Three-way valve
inside the unit
as standard**



Aermec participate in the EUROVENT program: FC / 2 / H the products are present on the site www.eurovent-certification.com



Features

- **EUROVENT certified**
- **Three-way valve incorporated inside**
- Color PANTONE Cool Gray 1C
- IR remote control with support for wall installation, the remote control can be used to control all the unit's functions (TLW1 accessory)
- Remote wired command panel with liquid crystal display makes it possible to control the unit's main functions, wall installation, four-metre cable (PFW accessory)
- Three-speed tangential ventilating assembly
- Maximum noiselessness
- Top-design appearance with rounded lines
- Air outlet deflectors with horizontal adjustment facility
- Motor driven deflector fin that can be worked from a remote control and a remote panel for the vertical directioning of the output air with five fixed positions and continuous oscillation.
- Microprocessor control
- Timer for on/off programming
- Automatic cooling, heating, ventilation and dehumidification function programming
- Sleep function only with TLW1 remote control
- Automatic season change
- Automatic start after black-out
- Easy installation and maintenance
- Air filter can be easily removed and cleaned
- Full compliance with safety regulations.

Accessories

- **TLW1 remote control (obligatory accessory):**
 - Accessory essential for the functioning of the fan coil, an alternative to the PFW wired remote command panel, it is not possible to use the two remote control models at the same time.
 - Infrared ray type with liquid crystal display for the control of all the functions of the unit, the remote control is powered by two 1.5V mini stick batteries of the R03 AAA type and works optimally up to seven meters from the unit.
 - It is supplied separately from the fan coil because a single remote control can command more than one fan coil.
 - Using the remote control, you can set all the functioning parameters of the device and they

are shown on a crystal liquid display, thereby making programming easier.

- The remote control is fitted with a support so it can be hung on the wall and it is therefore possible to carry out the required operations without removing it, it must be installed at a point on the wall that is easy to reach and not exposed to sources of heat, steam or direct sunlight and that is at least a meter from televisions or other electronic apparatus.

- **PFW wired remote command panel (obligatory accessory):**
 - Accessory essential for the functioning of the fan coil, an alternative to the TLW1 remote control, it is not possible to use the two remote control models at the same time:
 - The PFW can only control one fan coil.
 - The panel must be installed on the wall and connected to the fan coil with the four-meter-long cable supplied.
 - Using the PFW, it is possible to set the main functioning parameters of the device, these parameters are shown on a liquid crystal display thereby making programming easier.

Technical data

Mod.		FCW 21	FCW 31	FCW 41
Heating capacity	W (max.)	4000	5200	7600
	W (med.)	3600	4600	6800
	W (min.)	3000	3950	5700
Heating capacity (water inlet 50°C)	W (max.) (E)	2500	3300	4500
Water flow rate	l/h	344	447	654
Water pressure drop (max. speed)	kPa	18,5	23	23
	W (max.) (E)	1900	2700	3800
	W (med.)	1700	2200	3450
Total cooling capacity	W (min.)	1450	1850	3000
	W (max.) (E)	1550	2150	2850
	W (med.)	1350	1700	2500
Sensible cooling capacity	W (min.)	1100	1400	2150
	l/h	327	464	654
	Water flow rate	kPa (E)	20	27
Water pressure drop (max. speed)	m3/h (max.)	380	470	540
	m3/h (med.)	280	360	440
	m3/h (min.)	220	295	370
Fans	n°.	1	1	1
	dB (A) (max.)	42,5	43	43,5
	dB (A) (med.)	38,5	35,5	38,5
Sound pressure	dB (A) (min.)	31	28,5	35,5
	dB (A) (max.) (E)	51	51,5	52
	dB (A) (med.) (E)	47	44	47
Sound power	dB (A) (min.) (E)	39,5	37	44
	l	0,7	0,8	1,6
	Water contents	W (E)	23	25
Max. motor power	A	0,1	0,11	0,19
Max. input current	ø	1/2" F	1/2" F	1/2" F
Coil connections				

Power supply = 230V ~ 50Hz

(E) = EUROVENT certified performance

Performance values refer to the following conditions:

♪ Level of sound pressure (A-weighted) measured in the room with volume $V = 85 \text{ m}^3$; reverberation time $t = 0.5 \text{ s}$; direction factor $Q = 2$; distance $r = 2.5 \text{ m}$.

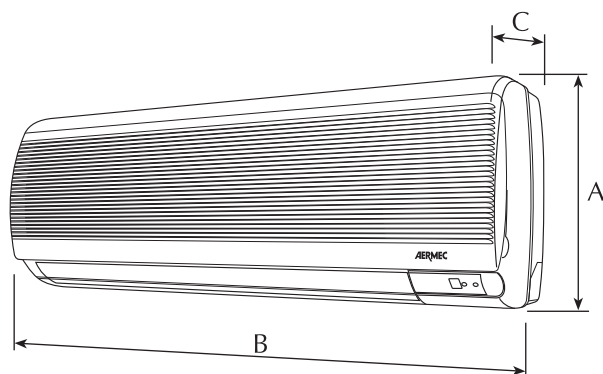
■ Cooling:

- room air temperature 27 °C D.B., 19 °C W.B.;
- maximum speed:
 - water inlet temperature 7 °C; Δt water 5 °C.
- medium and low speed:
 - water inlet temperature 7 °C;
 - water flow rate remains same as at maximum speed.

■ Heating:

- room air temperature 20 °C B.S.;
- maximum speed:
 - water inlet temperature 70 °C; Δt water 10 °C;
- medium and low speed:
 - water inlet temperature 70 °C;
 - water flow rate remains same as at maximum speed.
- maximum speed (water inlet temperature 50 °C):
 - water inlet temperature 50 °C;
 - water flow rate remains same as at maximum speed.

Dimensions (mm)



		FCW 21	FCW 31	FCW 41
Height	A	298	305	360
Width	B	880	990	1170
Depth	C	180	180	210
Weight	kg	9	10	19

The technical data in this document are not binding. Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

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