FCW

Fan coil with ioniser
Wall installation

TLW accessory

Aermec adheres to the EUROVENT Certification Programme.
The products concerned appear in the EUROVENT Certified Products Guide.

Features

- EUROVENT certified
- 3-speed cross flow fan
- Very quiet operation
- Aesthetically styled with soft flowing lines
- Air outlet deflectors with horizontal adjustment facility
- Motorized louver controllable from remote handset for vertical adjustment of outlet air flow direction
- Local control facility
- Microprocessor control
- Timer for hourly operation programming and timer On LED
- Program for operation in automatic mode, cooling, heating, ventilation and air ionising
- Automatic start after black-out
- Ioniser (air purification system by negative ions). Only for FCW 20 and 30.
- Easy installation and maintenance
- Air filter can be easily removed and cleaned
- Full compliance with safety regulations

Accessories

- **TLW**: Infrared remote handset with LCD display for full control of all appliance functions. A series of machines can be controlled by a single remote control unit.
- **VCW**: Using this accessory it is possible to use a three-way valve to intercept water flow. The kit includes a three-way valve, connection pipes, and a support template.
- **VCWC**: Kit consisting of Support Frame and Assembly Screws.
- **VCWV**: Kit consisting of one Three-Way Valve and its Unions.

Compatibility of accessories

FCW	20	30	40
TLW	✔	✔	✔
VCW 1	✔	✔	
VCW 2			✔
VCW 1C	✔	✔	
VCW 2C			✔
VCW 1V	✔	✔	
VCW 2V			✔

Warning:
Note that condensation may form on the exterior of the unit if cold water circulates through the coil while the fan is off for prolonged periods of time, so it is advisable to fit VCW.

Technical data

Mod.		FCW 20	FCW 30	FCW 40
Heating capacity	W (max.)	4800	6600	10200
	W (med.)	4150	5900	8600
	W (min.)	3400	5050	7000
Heating capacity (water inlet 50°C)	W ***(E)***	3000	3800	6100
Water flow rate	l/h	413	570	877
Water pressure drop	kPa	17.8	25	22
Total cooling capacity	W (max.) ***(E)***	2100	2900	4600
	W (med.)	1900	2700	4150
	W (min.)	1600	2500	3700
Sensible cooling capacity	W (max.) ***(E)***	1920	2240	3600
	W (med.)	1470	2090	3100
	W (min.)	1200	1700	2650
Water flow rate	l/h	361	500	791
Water pressure drop	kPa ***(E)***	20.1	31.3	24
Air flow rate	m^3/h (max.)	440	540	890
	m^3/h (med.)	350	440	690
	m^3/h (min.)	270	370	530
Fans	n.	1	1	1
♪ Sound pressure	dB (A) (max.)	44.5	45.5	47.5
	dB (A) (med.)	39.5	41.5	42.5
	dB (A) (min.)	34.5	37.5	37.5
Sound power	dB (A) (max.) ***(E)***	53	54	56
	dB (A) (med.) ***(E)***	48	50	51
	dB (A) (min.) ***(E)***	43	46	46
Water contents	l	0.45	0.68	1.7
Max. motor power	W ***(E)***	27	30	50
Max. input current	A	0.12	0.13	0.22
Coil connections	ø	1/2″	1/2″	1/2″

Power supply = 1~ 230V 50Hz.

(E) = EUROVENT certified performance

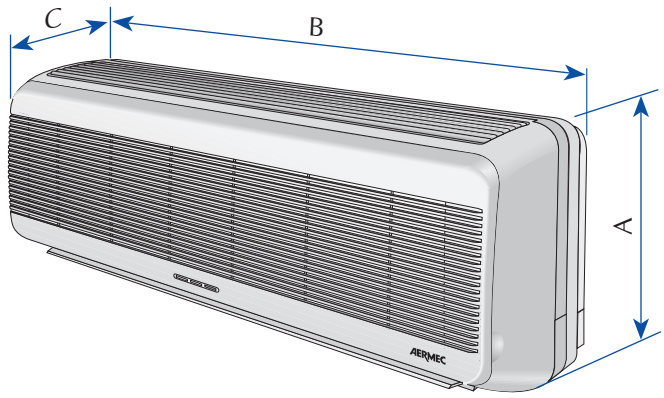
Performance values refer to the following conditions:

♪ Sound pressure measured in an 85 m^3 semi-reverberant test chamber with reverberation time Tr = 0.5s.

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

Heating:
- room air temperature 20 °C;
- water inlet temperature 70 °C; maximum speed;
- Δt water 10 °C;
- for medium and low speed, water flow rate remains same as at maximum speed.

Dimensions (mm)



		FCW 20	FCW 30	FCW 40
Height	A	270	270	320
Width	B	795	795	1200
Depth	C	178	178	210
Weight	kg	10.8	11.4	20

Cod.: SFCWUY.07 / 0603

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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