

FW-R

Water-cooled air conditioners

Cooling capacity 2,9 kW
Heating capacity 4,3 kW



- Silent operation
- Reduced water consumption
- Low electrical power consumption



DESCRIPTION

FW-R series integrated system air conditioners are independent appliances designed and built to create and maintain optimum room comfort conditions.

Discreetly and elegantly styled, these remarkably quiet units are ideal for installation in the home or commercial premises.

Equipped with a water-cooled condenser, the unit appliances perform all typical cooling, dehumidification, ventilation and air filtration functions while offering particular benefits in terms of ease of application and installation.

Suitable also for winter operation when equipped with an electric heater or hot water coil; console air conditioners are able to provide different microclimates within the same room because each appliance can be adjusted independently; low running costs are assured by fast arrival at the required room temperature because of the low thermal inertia of the system; quiet operation and thermal efficiency are also promoted by the heat and sound insulation of the compressor bay.

All appliances are factory assembled and individually tested.

Installation requires mandatory coupling with the TL3 Remote Control Kit accessory; the IR receiver can be installed either on-board or recessed in the wall.

FEATURES

- High efficiency rotary compressor
- Reduced dimensions
- Automatic temperature adjustment
- Reduced water consumption

ACCESSORIES COMPATIBILITY

Remote controller (mandatory accessory)

Accessory	FW130R	FW160R
TL3	•	•

Electric coil

Accessory	FW130R	FW160R
BR26	•	•



- 1 IR on board receiver
- 2 IR wall-mounted receiver
- 3 TL3: Kit Mandatory accessory

ACCESSORIES

TL3: Mandatory accessory, remote control, essential for unit operation. The kit consists of a remote control, an I.R. signal receiver, the 8-metre long connection cable, a rectangular recessed Modulo 503 box (of which only one is engaged by the receiver, the other 2 modules are also available for other uses) and a white-coloured cover plate. The IR receiver can be installed: on board the unit (the IR receiver is housed under the grid, invisible from the outside); recessed in the wall and connected to the unit (with the dedicated 8-metre cable).

BR26: Armoured electric coil with safety thermostat.

BVR1: Single row hot water heat exchanger.

Hot water coil

Accessory	FW130R	FW160R
BVR1	.	.

PERFORMANCE SPECIFICATIONS

		FW130R	FW160R
Cooling (room air temperature 27 °C D.B.; 19 °C W.B., water temperature (in/out) 30°C/ 35 °C, maximum speed)			
Cooling capacity	W (max.)	2900	4000
Energy Efficiency Class		A	A
EER		4,08	4,65
Moisture removed	l/h	1,78	1,78
Total input electric power	W	710	860
Input current	A	3,55	4,02
Heating - BVR1 (room air temperature 20 °C, Entering water temperature 70°C, maximum speed)			
Heating capacity with water coil (BVR1)	W	4350	5200
Heating capacity with water coil (BVR1)	l/h	600	600
Pressure drops (BVR1)	kPa	12,6	12,6
Heating capacity electric coil (BR26)	W	1200	1200
Fans data			
Number of fans	n.	2	2
Air flow rate	m ³ /h (max.)	470	690
	m ³ /h (med.)	390	525
	m ³ /h (min.)	270	375
Fans speed	g/m (max.)	800	1140
	g/m (med.)	660	885
	g/m (min.)	500	665
General technical data			
Sound pressure	dB(A)	44,0	47,5
Water consumption at 30-35°C	l/h	586	804
Condenser pressure drops	kPa	22	40
Refrigerant gas	Type/GWP	R410A / 2088kgCO ₂ eq	
Refrigerant gas charge	g	750	830
Nominal electric power *	W	1120	1500
Nominal input current *	A	4,97	6,65
Peak current	A	18	32
Hydraulic connections	ø	1/2" F	1/2" F

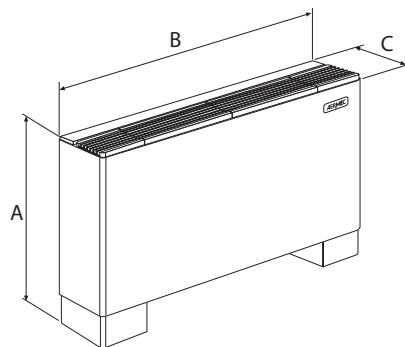
Power supply = 230V ~ 50Hz

Sound pressure measured in an 85 m³ semi-reverberant test chamber with reverberation time Tr = 0.5s

* In accordance with EN-60335

Data declared in accordance with EN-14511

DIMENSIONS



		FW130R	FW160R
Dimensions and weights			
A	mm	723	723
B	mm	1121	1121
C	mm	242	242
Empty weight	kg	63	67

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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