

EF

Split system heat pumps
Universal installation with capacities from 2.1 to 5.2 kW with Plasmacluster filter



Plasmacluster

R410A



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



CS 070 H



CS 090 H - 120 H



CS 180 H

PLASMACLUSTER ionising filter.

Plasmacluster is capable of reducing the level of pollutants, by decomposing the molecules that form them.

Using a series of electric shocks, "Plasmacluster" causes the water molecules present in the air to separate into positive and negative ions. These ions neutralise the gas pollutant molecules, forming products that are normally present in clean air.

The result is in the air: you can finally breath clean, odour-free ionised air.

Features

- Available in 4 different power versions
- All versions are supplied for use with R410A
- Can be installed in vertical or horizontal positions
- Rotary compressor
- Very quiet operation
- Air outlet deflectors with horizontal adjustment facility
- Motorized louver controllable from remote handset for vertical adjustment of outlet air flow direction
- Infrared remote handset with LCD display for full control of all appliance functions
- Local control facility
- Microprocessor control
- Timer for programming On/Off times
- Programs for cooling only, heating only, dehumidification, automatic operation (heating/cooling)
- Easily removable, washable air filter with anti-mould treatment
- Self-diagnostics function
- Refrigerant lines with flared connections
- Refrigeration lines up to 10m for EF 070 - 090, up to 15m for EF 120 - 180

Technical data

		EF 070 H CS 070 H	EF 090 H CS 090 H	EF 120 H CS 120 H	EF 180 H CS 180 H
Cooling capacity	W	2100	2650	3500	5200
Moisture removed	l/h	0.6	0.7	1.0	1.5
Total input power	W	760	990	1180	2070
Total input current	A	3.4	4.7	5.2	9.3
Heating capacity	W	2400	3100	4000	5500
Total input power	W	700	910	1170	1850
Total input current	A	3.3	4.4	5.2	8.3
Air flow rate (EF)	m ³ /h (max.)	516	624	720	918
	m ³ /h (med.)	450	540	582	762
	m ³ /h (min.)	354	432	504	642
♪ Sound pressure (EF)	dB(A) (max.)	36	39	41	47
	dB(A) (med.)	32	35	36	43
	dB(A) (min.)	28	32	33	39
Air flow rate (CS H)	m ³ /h	1320	1680	1800	2880
♪♪ Sound pressure (CS H)	dB(A)	45	45	48	55
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"	1/4"
	Ø gas	3/8"	3/8"	3/8"	1/2"

Power supply = 1~ 230V 50Hz.

Performance values refer to the following conditions:

♪ Sound pressure measured at 1.3 m in an anechoic chamber with direction factor 4.

♪♪ Sound pressure measured at 1 m in an anechoic chamber with direction factor 2.

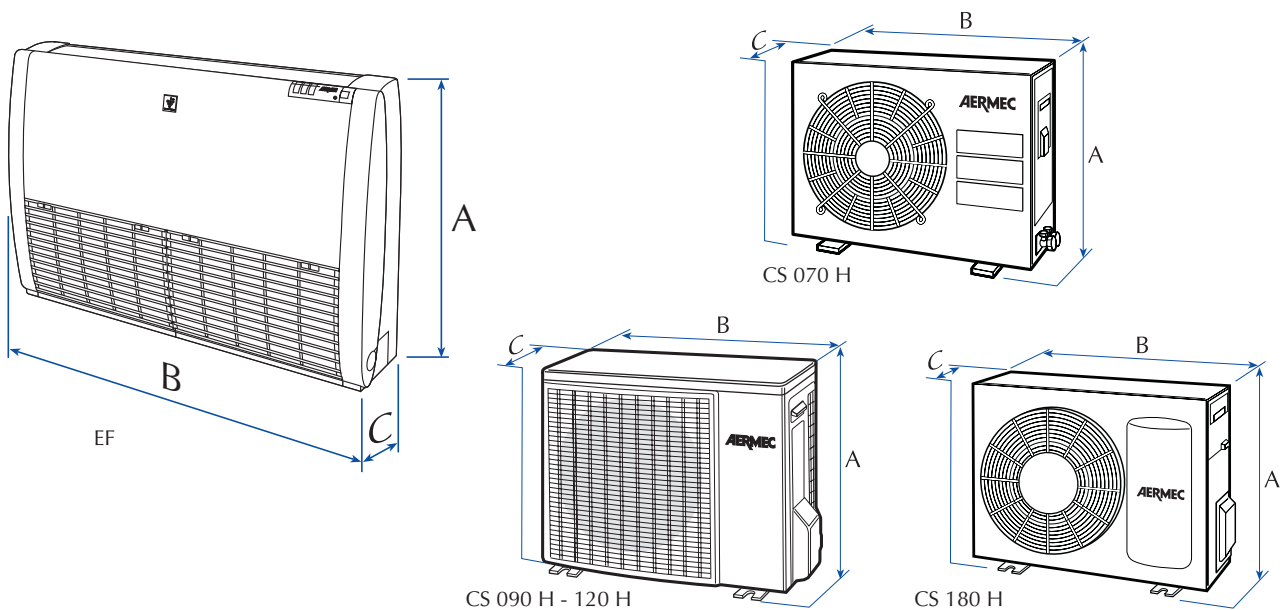
■ Cooling:

- room air temperature 27 °C D.B., 19 °C W.B.;
- ambient air temperature 35 °C; maximum speed.

■ Heating:

- room air temperature 20 °C;
- ambient air temp. 7 °C D.B., 6 °C W.B.; maximum speed.

Dimensions (mm)



		EF				CS			
		070 H	090 H	120 H	180 H	070 H	090 H	120 H	180 H
Height	A	680	680	680	680	535	540	540	645
Width	B	1025	1025	1025	1025	720	780	780	915
Depth	C	212	212	212	212	236	269	269	327
Weight	kg	31	31	31	32	30	34	39	54