

R410A



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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 5 different power versions
- Inverter technology for large power savings and optimized room comfort conditions
- Room reaches required temperature after switching on in 2/3 the time of an equivalent appliance without an inverter
- Excellent ratio between heating capacity and cooling capacity, thanks to the inverter-controlled compressor
- Can be installed in vertical or horizontal positions
- Variable speed rotary compressor
- Air outlet deflectors with horizontal adjustment facility
- Motorized louver controllable from remote handset for vertical adjustment of outlet air flow direction
- Very quiet operation
- Infrared remote handset with LCD display for full control of all appliance functions
- Microprocessor control
- Timer for programming On/Off times
- Programs for cooling only, heating only, dehumidification, automatic operation (heating/cooling)
- Self-diagnostics function
- Refrigeration lines up to 15m for EFI 070 - 090 - 120, up to 30m for EFI 181 - 241

Accessories

- **DCPX:** Low temperature device for operation of outdoor units below 20 °C.

Compatibility of accessories

	CFI 070 H	CFI 090 H
DCPX 43	✓	✓

Technical data

		EFI 070 H CFI 070 H	EFI 090 H CFI 090 H	EFI 121 H CWI 121 H	EFI 181 H CFI 181 H	EFI 241 H CFI 241 H
Cooling capacity	W (nominal)	2100	2500	3500	5000	7000
	W (min. - max.)	900 - 3000	900 - 3400	900 - 4000	1700 - 6100	2400 - 8000
Energy Efficiency		A	A	A	A	A
EER		3,23	3,21	3,21	3,21	3,21
Total input power	W (nominal)	650	780	1090	1560	2180
	W (min. - max.)	300 - 1090	300 - 1280	230 - 1300	370 - 2650	630 - 3120
Total input current	A (nominale)	3,0	3,6	5,0	7,2	10,0
	A (min. - max.)	1,4 - 5,0	1,4 - 5,9	1,2 - 6,0	1,7 - 12,3	2,9 - 14,3
Heating capacity	W (nominal)	3000	3500	4000	6200	8000
	W (min. - max.)	900 - 3800	900 - 4400	900 - 5800	1700 - 7500	2800 - 9000
Energy Efficiency		A	A	A	A	A
COP		3,61	3,61	3,31	3,65	3,62
Total input power	W (nominal)	830	970	1210	1700	2210
	W (min. - max.)	290 - 1140	290 - 1330	290 - 1750	370 - 2200	730 - 2800
Total input current	A (nominal)	3,8	4,5	4,7	7,8	10,1
	A (min. - max.)	1,3 - 5,3	1,3 - 6,2	1,3 - 7,0	1,7 - 10,0	3,4 - 12,9
Air flow rate (EFI)	m ³ /h (max.)	618	666	720	990	1140
	m ³ /h (med.)	540	540	570	798	930
	m ³ /h (min.)	396	396	420	660	690
Air flow rate (CFI)	m ³ /h	1680	1680	1460	3240	3180
♪ Sound pressure (EFI)	dB (A) (max.)	37	39	41	43	46
	dB (A) (med.)	34	34	35	38	41
	dB (A) (min.)	28	28	29	34	34
♪ Sound pressure (CFI)	dB (A)	45	45	48	54	55
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"	1/4"	3/8"
	Ø gas	3/8"	3/8"	3/8"	1/2"	5/8"

Power supply = 1~ 230V 50Hz.

Performance values refer to the following conditions:

♪ = measured at 1.3 m in an anechoic chamber.

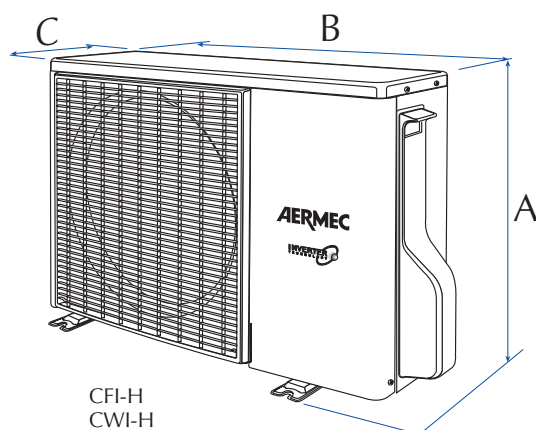
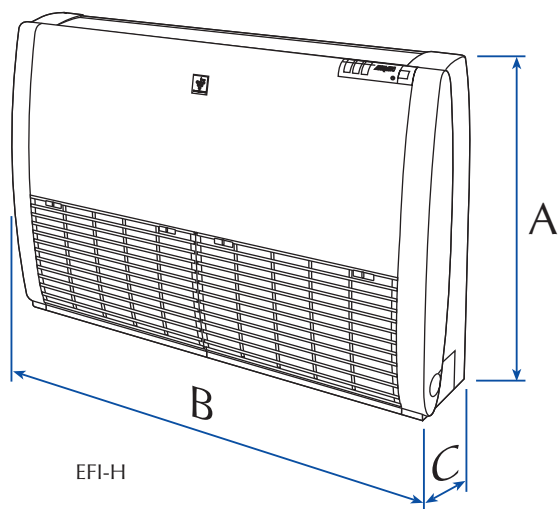
■ Cooling:

- 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)



		EFI					CFI				CWI
		070 H	090 H	121 H	181 H	241 H	070 H	090 H	181 H	241 H	121 H
Height	A	680	680	680	680	680	540	540	800	800	540
Width	B	1025	1025	1025	1300	1300	780	780	890	890	730
Depth	C	212	212	212	212	212	269	269	320	320	250
Weight	kg	31	31	31	34	36	33	33	57	65	37

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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