

## ECA I Split system air conditioners and heat pumps Suspended ceiling installation with capacities of 3.5 kW with Inverter and Plasmacluster filter

### R410A



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



### 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.**

ECA I is fitted with a new generation filter: PLASMACLUSTER produces even more ions than the previous version.

The result is faster air purification in the climate controlled environment.

### Features

- With R410A refrigerant
- 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
- Variable speed rotary compressor
- Indoor unit with 4-speed mixed flow (axial+centrifugal) fan unit
- Microprocessor control
- Timer for programming On/Off times
- Programs for cooling only, heating only, dehumidification and automatic operation (heating/cooling)
- Very quiet operation
- Aesthetically styled
- Grille dimensions respect standard suspending ceiling panel sizes
- Continuous fan operation to prevent layering of room air
- Prearranged for fresh air intake
- Facility for air conditioning also in an adjacent room
- Easy installation and maintenance
- Electrostatically pre-charged, self-bearing filter, featuring great efficiency and low pressure drops
- Air filter
- Easily removable air filter
- Full compliance with safety regulations
- Refrigerant lines with flared connections
- Refrigeration lines up to 15m

### Accessories

- **GLA10R:** air delivery/intake grill. Equipped with an infrared receiver with emergency operation key and remote control. The grill fins operate manually. This accessory is **necessary** as units ECA are consigned without grill.
- **KFA:** Kit composed of a metal flange of diameter 100 mm for a fresh air intake or for discharge into an adjoining room.

## Technical data

			<b>ECA 120 I</b>
			<b>CWI 121 H</b>
Cooling capacity	nominal (E)	W	3500
	min. - max.	W	900 - 3800
Energy Efficiency			A
EER			3,21
Total input power	nominal (E)	W	1090
	min. - max.	W	230 - 1330
Total input current	nominal	A	5.0
	max.	A	6.1
Moisture removed	max. speed	l/h	1.2
	max.	m <sup>3</sup> /h	520
Indoor unit air flow rate	med.	m <sup>3</sup> /h	410
	min.	m <sup>3</sup> /h	320
	nominal (E)	W	4000
Heating capacity	min. - max.	W	900 - 5100
			A
Energy Efficiency			A
COP			3.88
Total input power	nominal (E)	W	1030
	min. - max.	W	250 - 1680
Total input current	nominal	A	4.7
	max.	A	7.5
♪ Sound pressure	Indoor unit	max. dB (A)	39
		med. dB (A)	35
		min. dB (A)	32
	Outdoor unit	dB (A)	48
Outdoor unit air flow rate		m <sup>3</sup> /h	1602
Refrigerant connections	liquid	Ø	1/4"
	gas	Ø	3/8"

**Power supply** = 1~ 230V 50Hz.

(E) Eurovent certified performance values.

Performance values refer to the following conditions:

♪ measured at 1.3 m in an anechoic chamber.

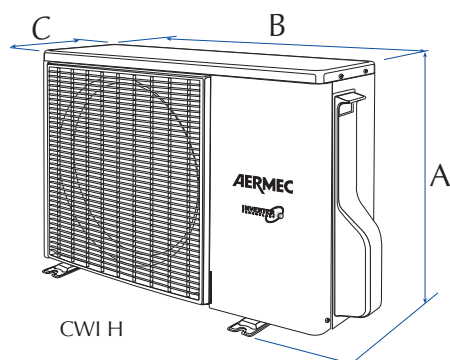
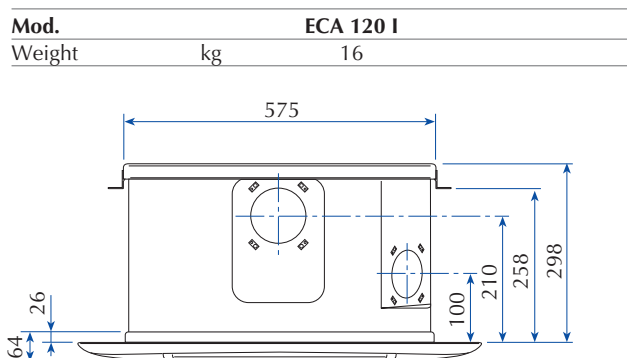
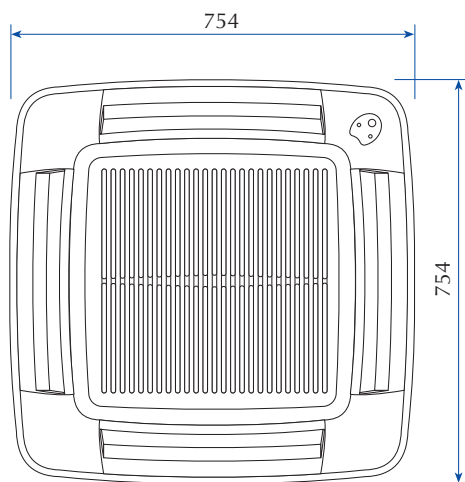
■ Cooling:

- 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.; max. speed.

## Dimensions (mm)



		<b>CWI</b>
		<b>121 H</b>
Height	A	540
Width	B	730
Depth	C	250
Weight	kg	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.

**Aermec S.p.A.**

Via Roma, 44 - 37040 Bevilacqua (VR) - Italy  
Tel. +39 04 42 63 31 11 - Telefax +39 044 29 35 66  
www.aermec.com