

Catalog

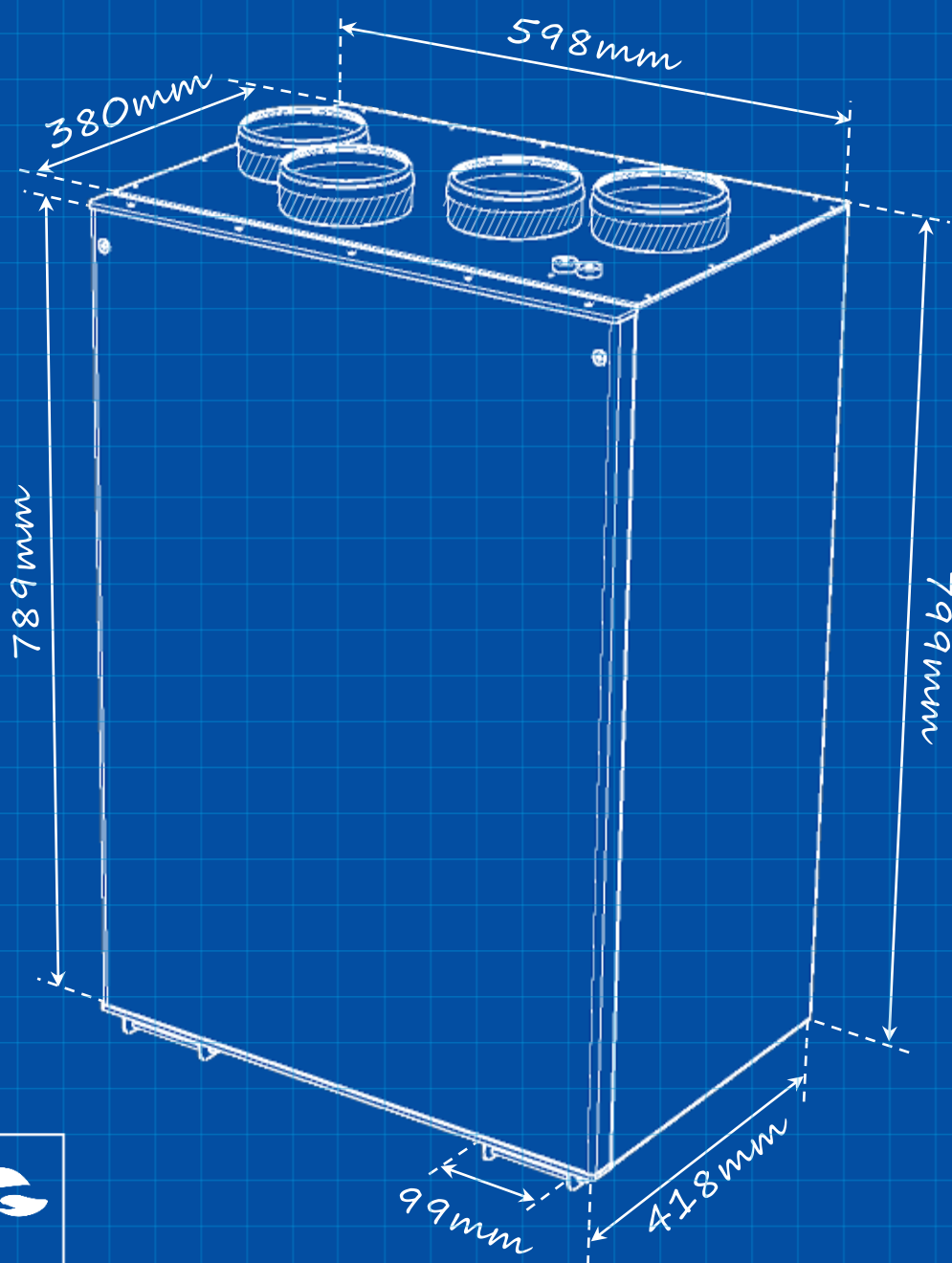
2021 - 2022

# Classphere Series



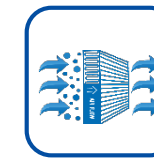
# EMKA

Smart ventilation for every home



Units with high energy efficiency and low noise, which guarantee the control and quality of the air throughout the year





If breathing allows us to live, breathing in a healthy environment means living with higher quality. Microorganisms, bacteria, mites, humidity, fungi ... threaten the health of our home. In the search for solutions to preserve the health of the environment in which we live, we have devised and produced state-of-the-art mechanical ventilation systems that intelligently improve the quality of the air we consume.

Enjoy the air quality service, from its installation without worrying about anything.

### Breathe clean, filtered air at the correct temperature and humidity anywhere in your home!

Ventilation system for the home, which renews the air reaching a temperature balance, in such a way that it expels the stale air from the Home (humidity, pollution, tobacco smoke, pollen, Co2 ...) constantly, for optimum quality inside the home.



### Consequences of breathing stale air

- Irritation of the mucous membranes, pain and dryness (eyes, nose, mouth).
- Headaches, decreased concentration.
- Allergies.
- Pathologies of the respiratory system.
- Increased respiratory problems.

### Healthy air in your environment

- Oxygenates the skin, resulting in less dryness.
- Reduction of CO2 pollution.
- The air helps to control the symptoms of allergies, asthma ...

### Filters F7

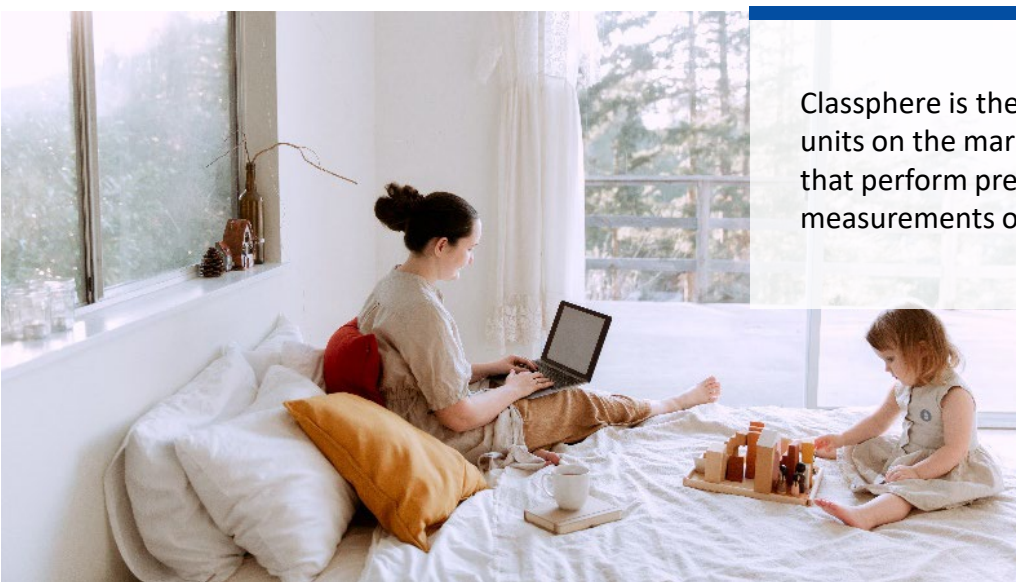
They allow the air to be filtered, blocking the passage of 96.7% of the fine particles and up to 82.1% of the ultrafine particles of 0.3 microns, being an effective filtration system.

### Benefits of breathing quality filtered air

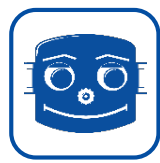
- Improves rest, greater well-being and concentration.
- Elimination of moisture, odors.
- Elimination of pollen particles and bacteria.
- Less drafts in the home, less noise from outside.



Classphere is the most advanced brand of mechanical units on the market, thanks to its powerful electronics that perform pressure balancing and constant measurements of the units.





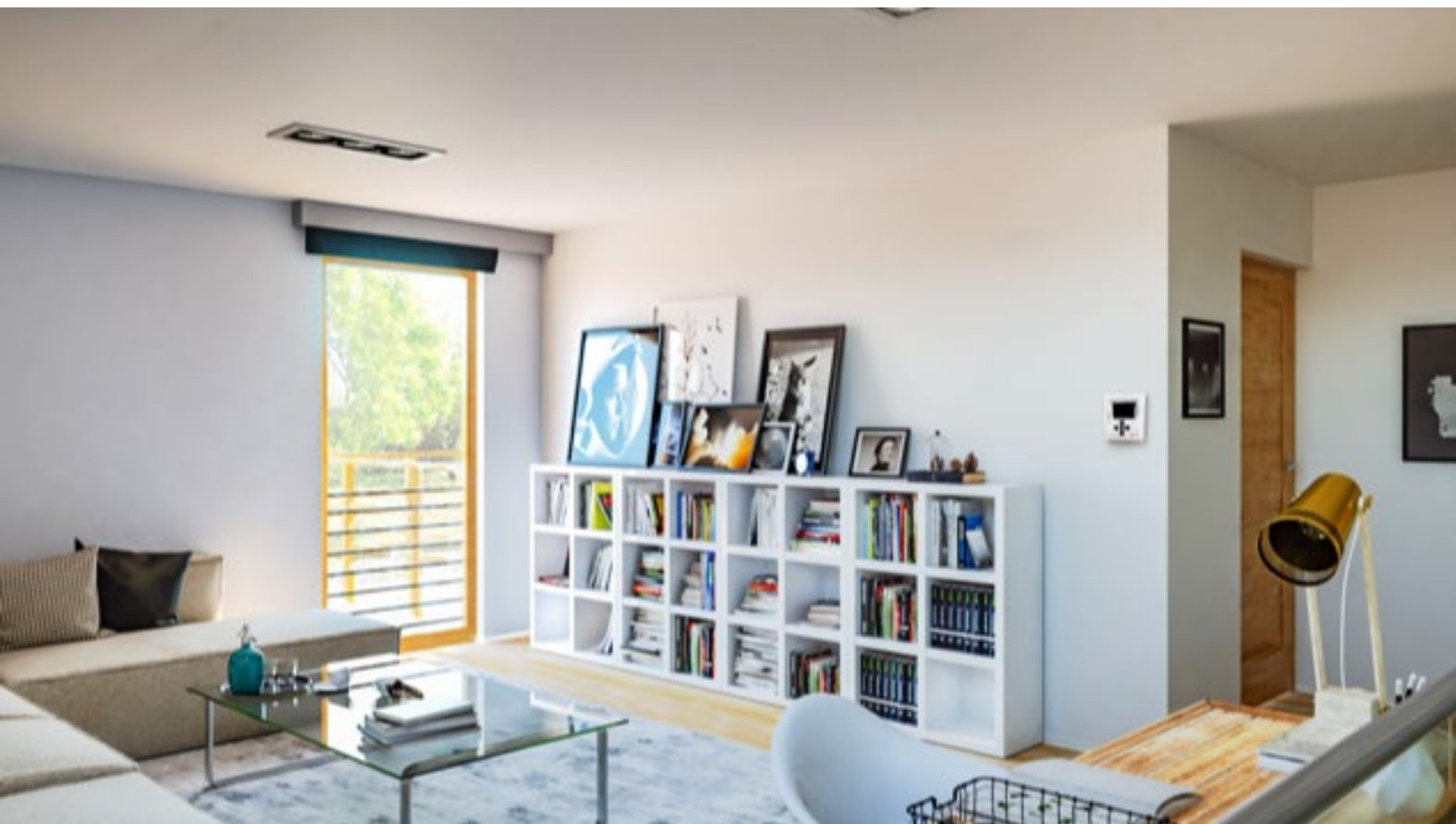


It contains an innovative system that allows the intensity of the flow to be adjusted in multiple positions, achieving excellent air filtering in any position.

It works in an automatic mode, in which the unit detects the fluctuation of the indoor air variables, managing the flow according to the conditions of the home and the environment, constantly.

You can program the desired flow and if necessary the unit will increase or decrease the flow depending on the conditions, always maintaining a constant flow of air renewal.

Upon detecting high levels of CO<sub>2</sub>, the unit will increase the flow rate and lower the CO<sub>2</sub> level, introducing clean filtered air inside.



If the unit detects an increase in relative humidity inside the home, it will take care of extracting the humidity from the inside until it reaches optimal levels as long as the relative humidity of the outside air allows it.

Our heat recovery units have intelligent software that measures and adjusts the air flow and temperature, the level of CO<sub>2</sub> and the relative humidity of the environment, all this added to the rotor exchanger allows us to offer users an automatic ventilation system that controls thermal efficiency and air quality.



When the cold outside air is very dry and you want to maintain a stable relative humidity in the home, the exchanger will adapt the speed of its fans until the optimum humidity is achieved.

During the summer season at night, the outside temperature is lower than the inside temperature of the houses.

The unit will exchange the cool night air, to achieve a more comfortable temperature in the house.

The noise of the units is very low, between 43dB and 48dB, depending on the model, its operation at home being practically imperceptible to the ear.

It is important to replace the filters when indicated by the system to obtain good ventilation since a dirty or clogged filter reduces the ventilation flow.

Thanks to the features of the exchanger and the powerful software, we have great energy savings.

When using the shower or drying clothes indoors, the unit will increase the airflow to remove excess moisture.

When guests come to our house, the CO<sub>2</sub> level increases, so the unit will increase the air flow until the CO<sub>2</sub> values are restored to the values set by the user.

It allows the flow to be adjusted very precisely to any range, depending on the unit and the installation.



To be able to adapt the ventilation in each moment or circumstance, the unit incorporates as standard the measurement of the real air flow, as well as the level of CO<sub>2</sub> and relative humidity.

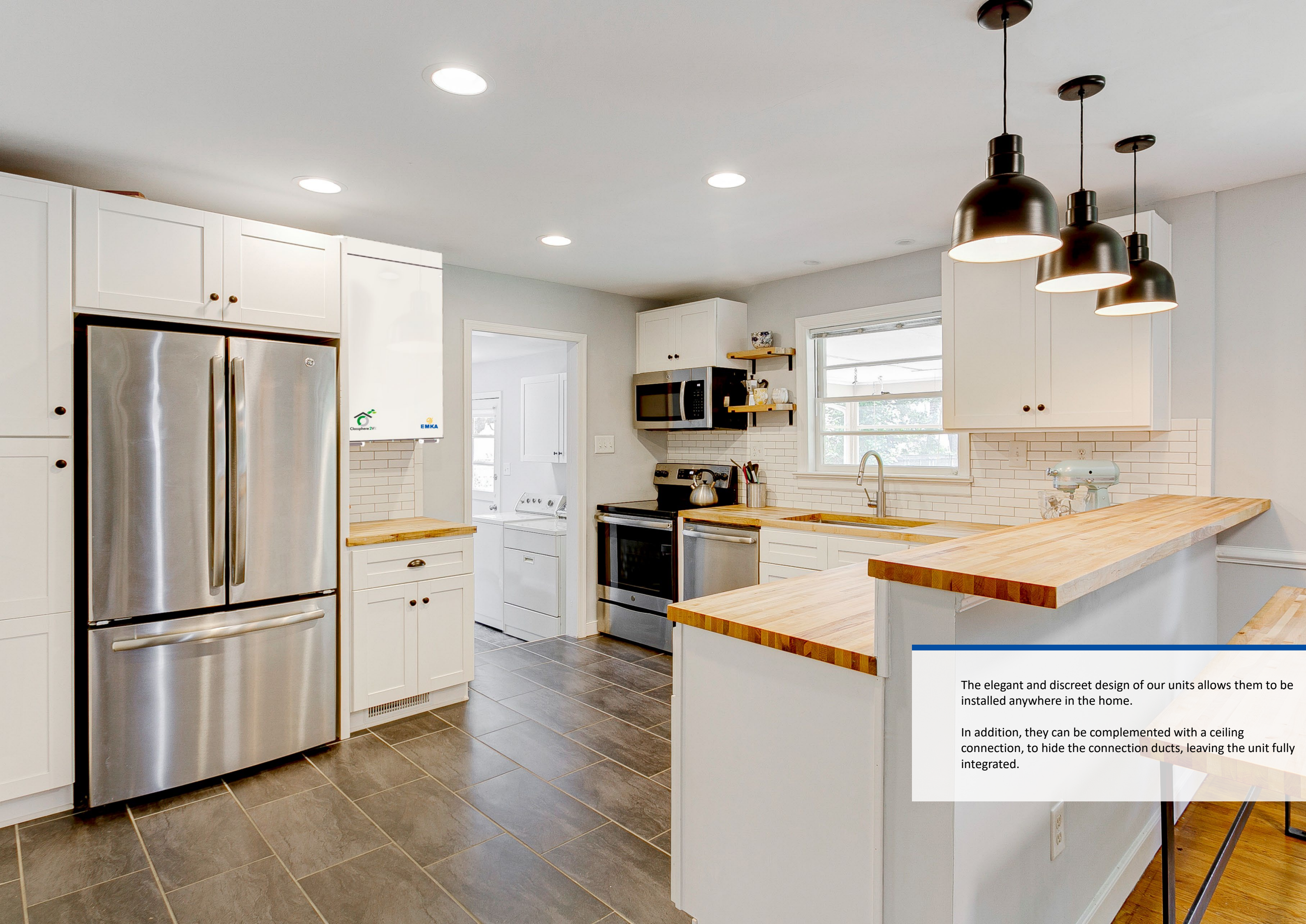




#### EXCELLENT PERFORMANCE

In winter or in cold seasons and in summer or warm seasons, the unit will detect the differences in temperature between the house and the outside. Thanks to the temperature sensors of each air inlet and outlet, the unit will avoid as much as possible the losses or gains in temperatures inside the home, providing great energy efficiency. It can be said that one of the key points of our units is the intelligent software, which at all times ventilates and keeps the air in the home clean, adhering as much as possible to the comfort temperature desired by the user.

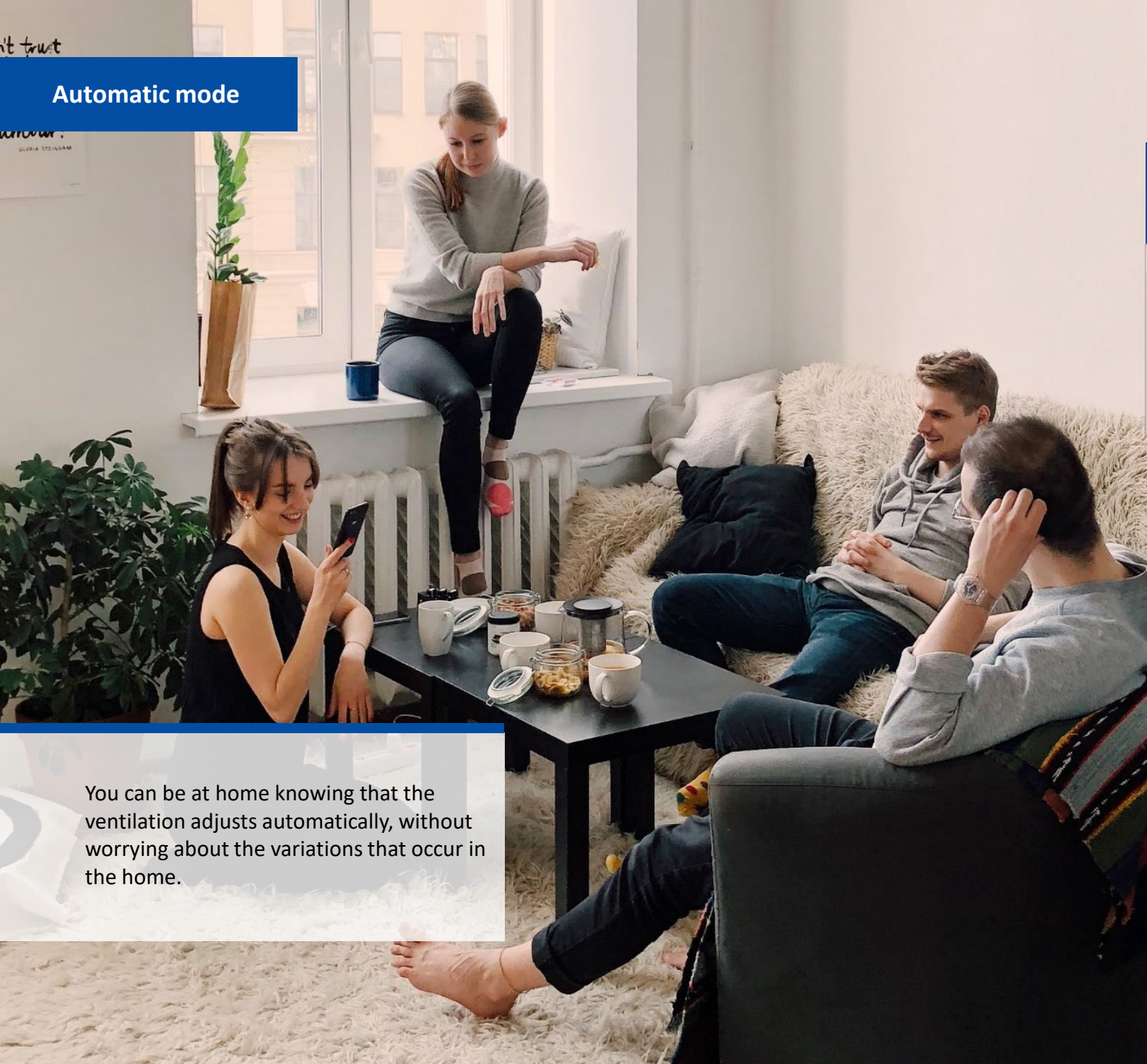




The elegant and discreet design of our units allows them to be installed anywhere in the home.

In addition, they can be complemented with a ceiling connection, to hide the connection ducts, leaving the unit fully integrated.

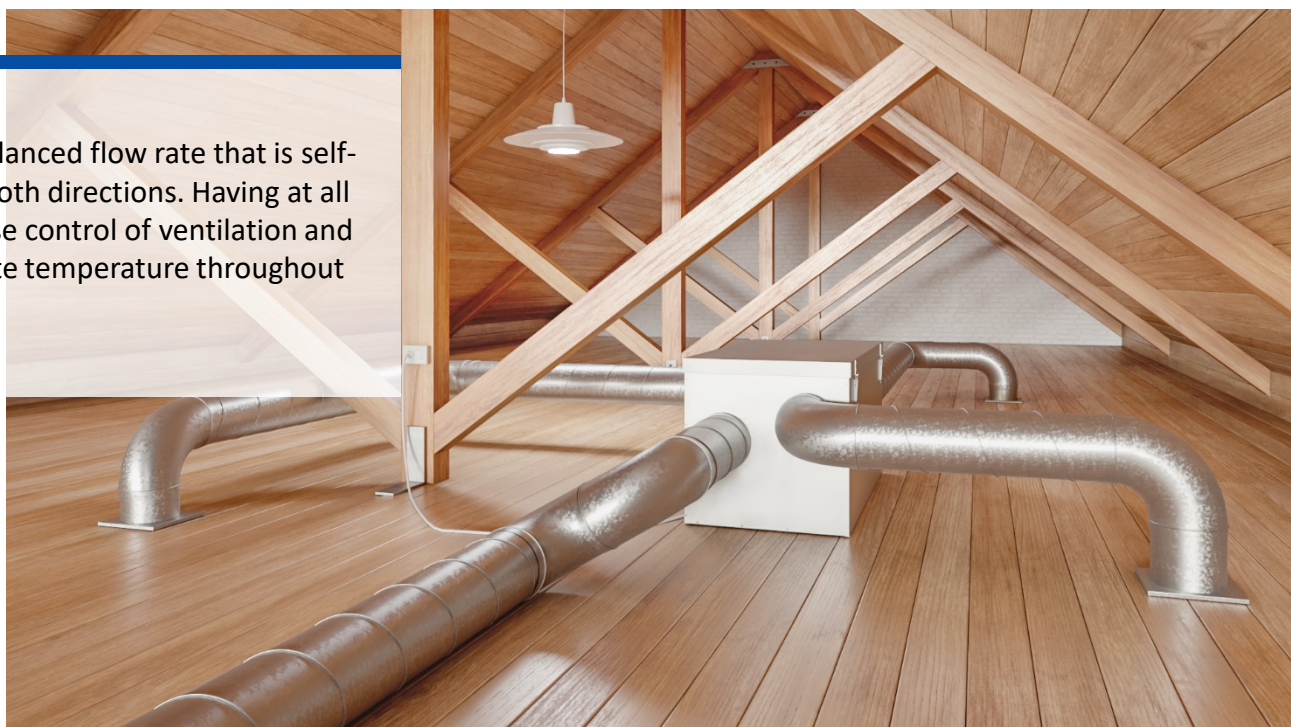




Automatic mode

You can be at home knowing that the ventilation adjusts automatically, without worrying about the variations that occur in the home.

We offer a balanced flow rate that is self-adjusting in both directions. Having at all times a precise control of ventilation and at an adequate temperature throughout the house.



## Classphere 2V

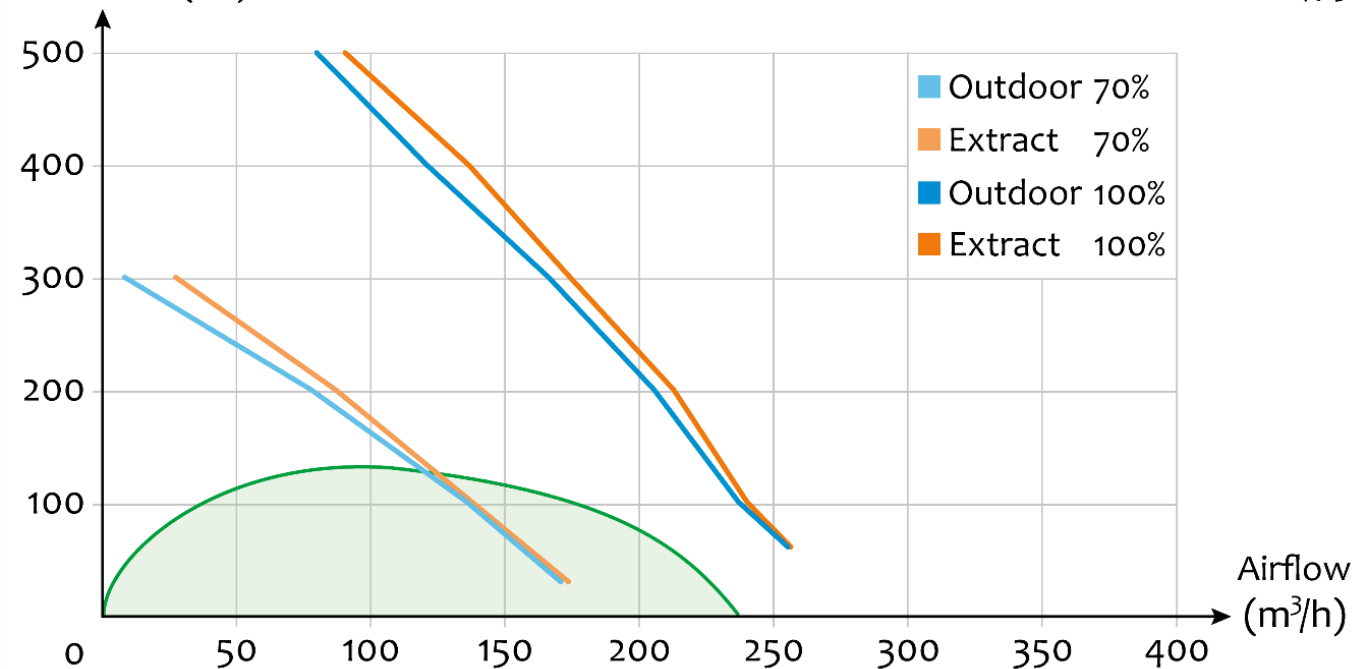


Technical data

Nominal air Flow	240 m <sup>3</sup> /h
Thermal efficiency	82 %
Acoustic pressure	43 dB(A)
Measures (L x l x h)	418 x 598 x 799 mm
Weight	51 Kg
Connexion of the ducts	Ø 125 mm

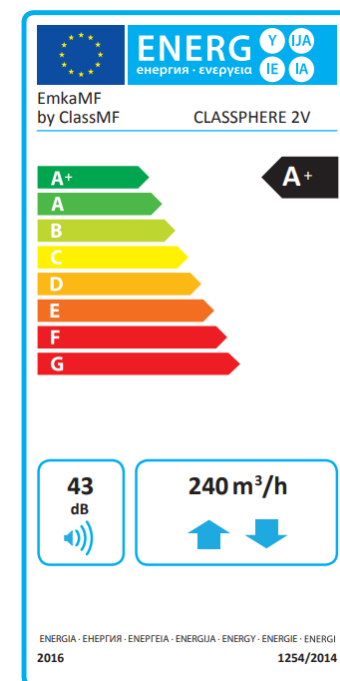
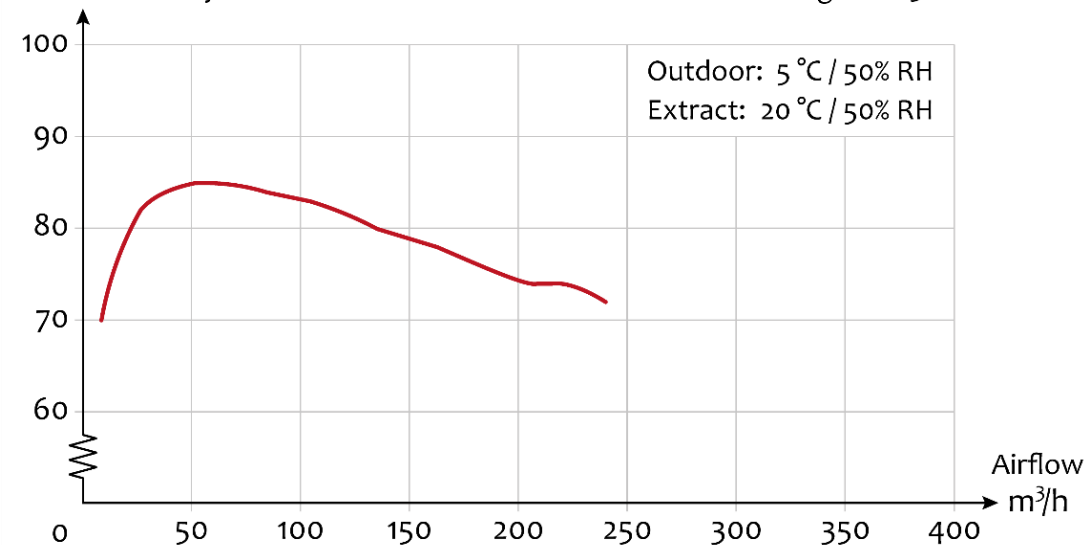
Pressure (Pa)

□ SFP < 0,75



% Efficiency

Reference conditions according to EN308 standard.



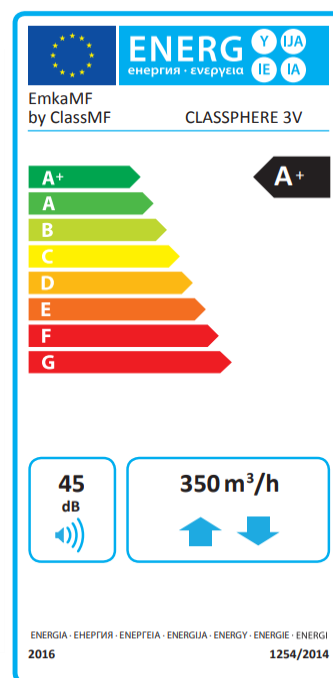
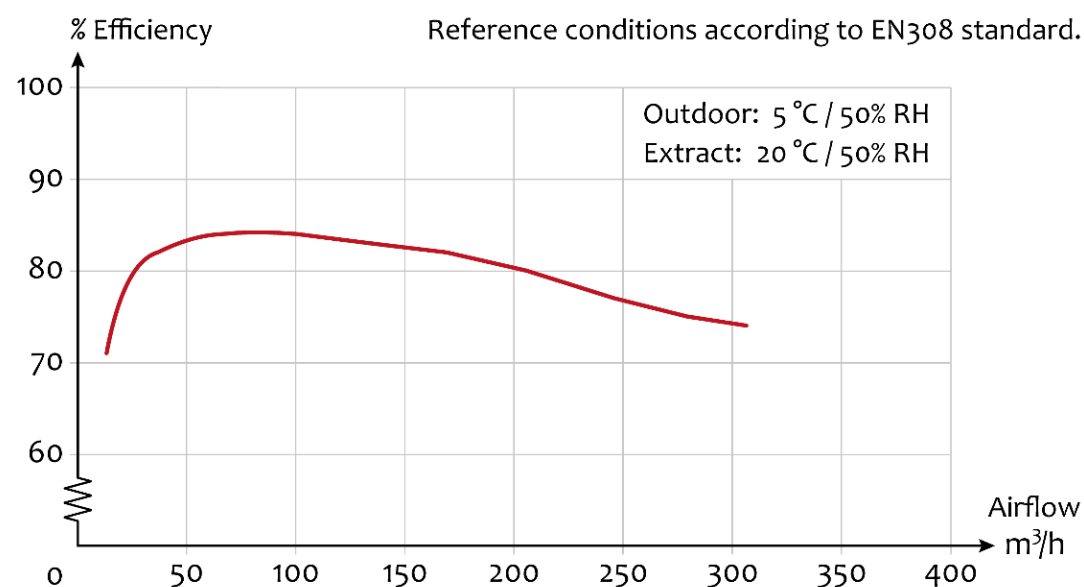
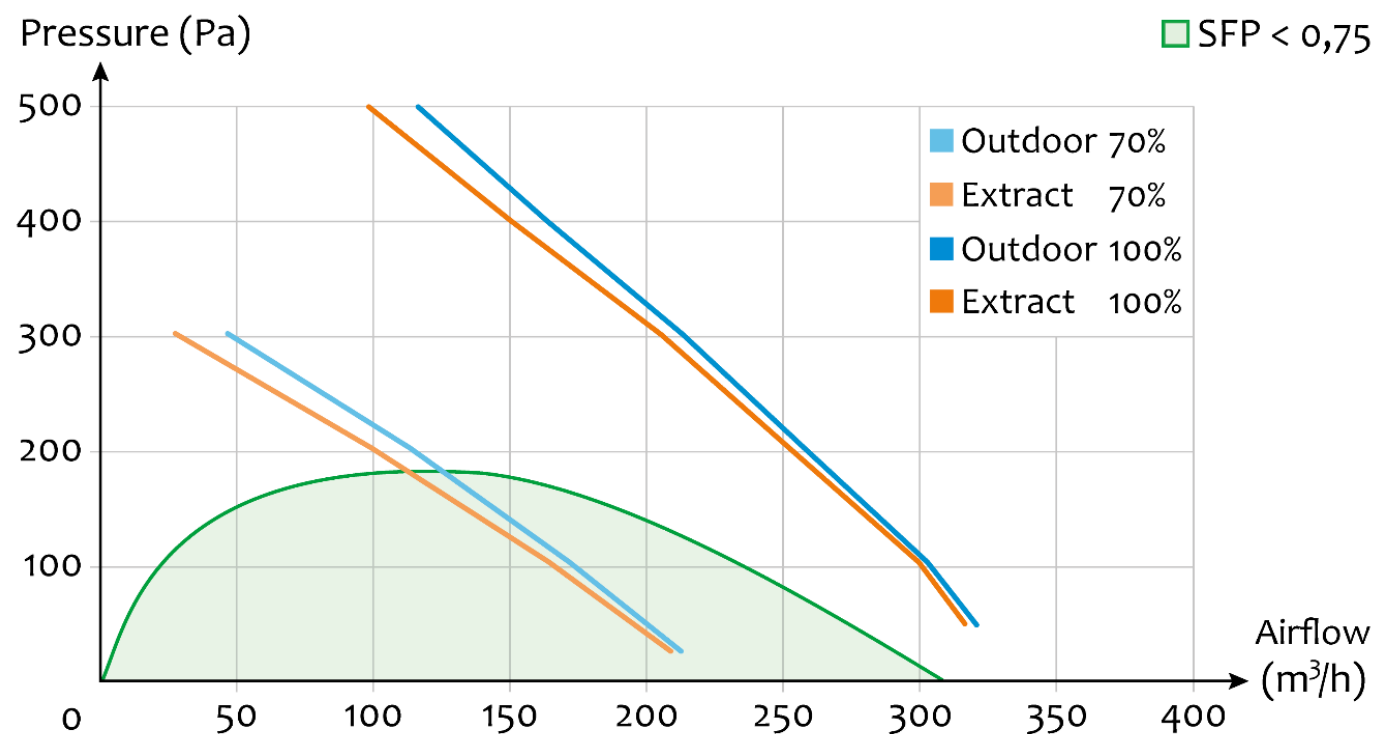


# Classphere 3V



Technical data

Nominal air Flow	300 m³/h
Thermal efficiency	82 %
Acoustic pressure	45 dB(A)
Measures (L x I x h)	470 x 680 x 819 mm
Weight	63 Kg
Connexion of the ducts	Ø 160 mm

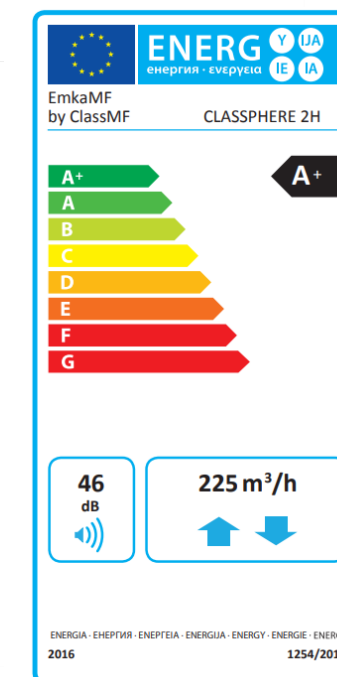
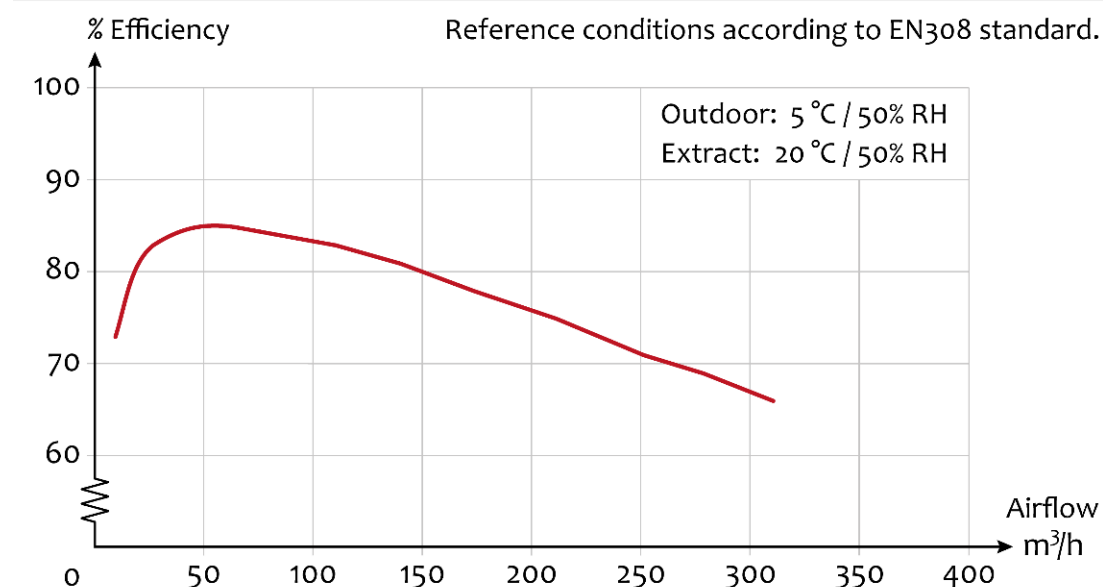
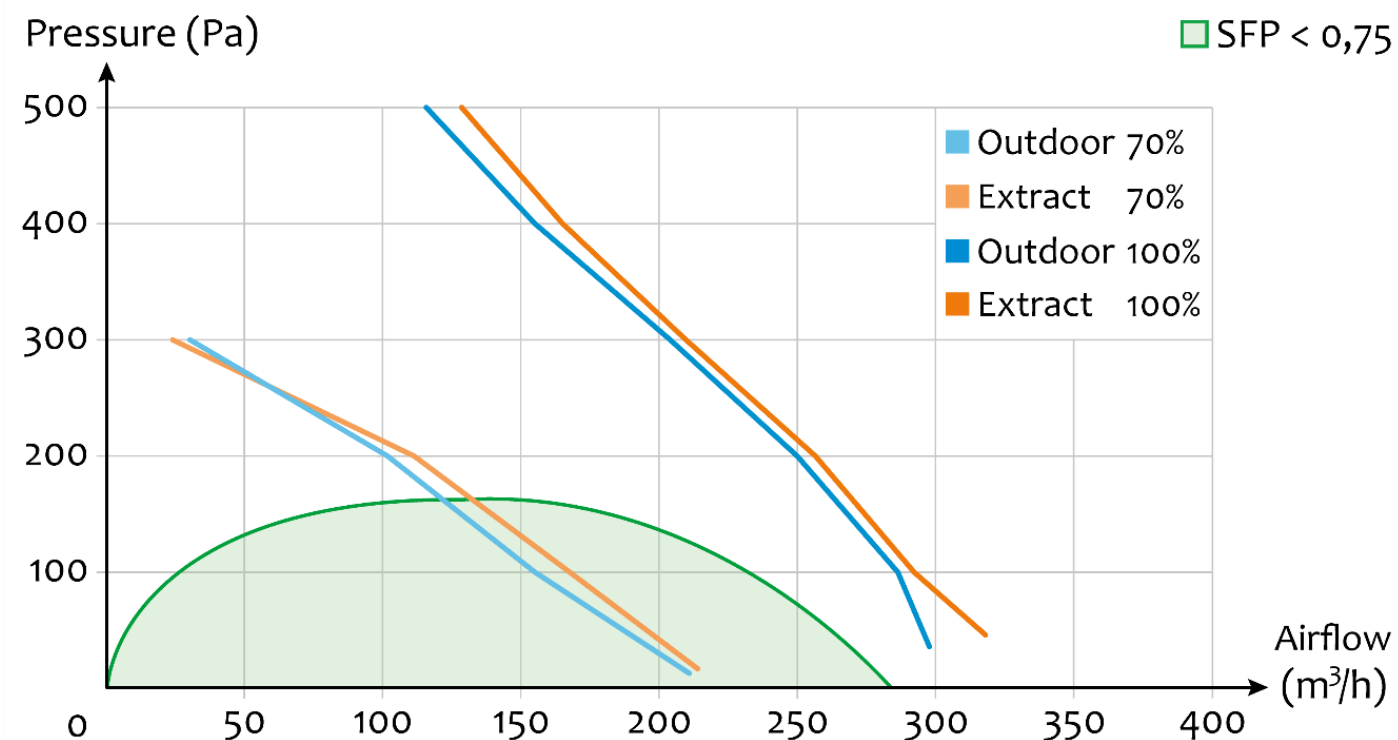


# Classphere 2H



Technical data

Nominal air Flow	290 m³/h
Thermal efficiency	82 %
Acoustic pressure	46 dB(A)
Measures (L x I x h)	1040 x 433 x 427 mm
Weight	54 Kg
Connexion of the ducts	Ø 160 mm



# Classphere 3H



Energy saving



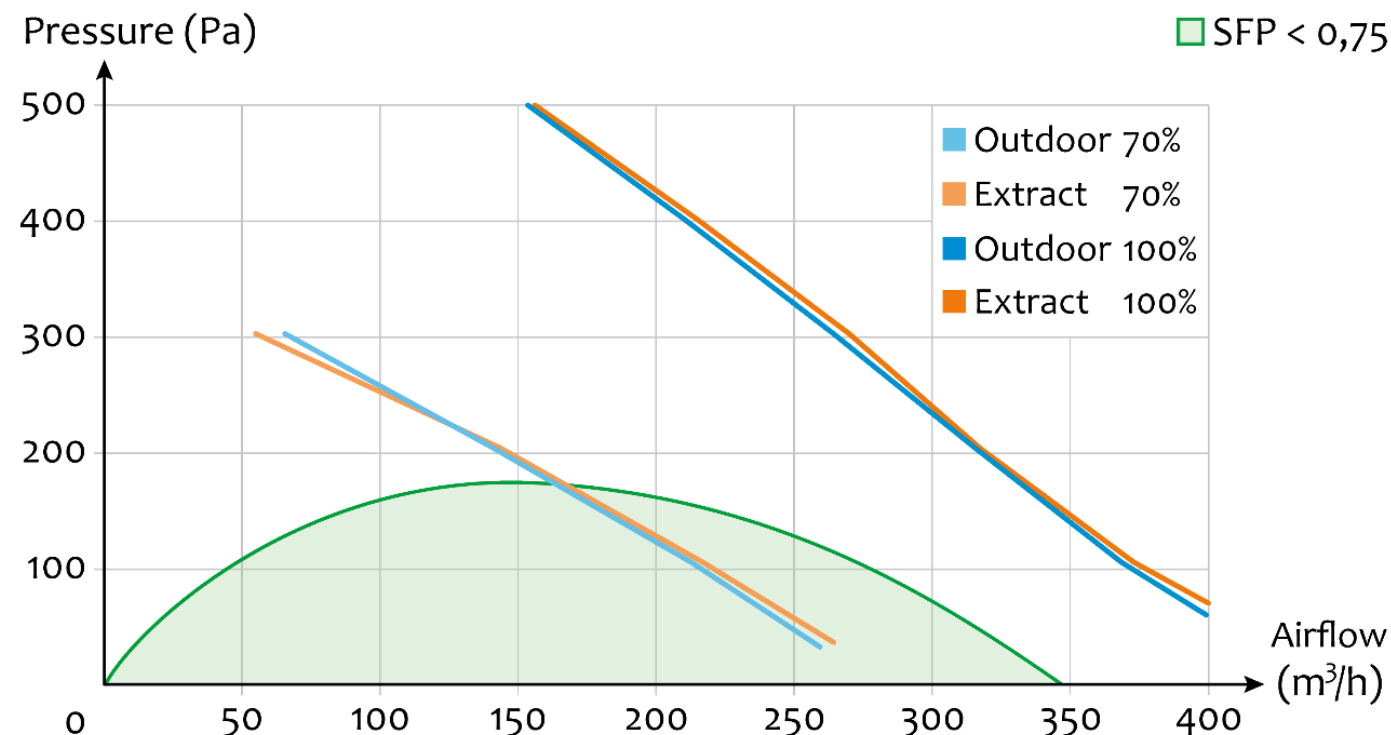
Technical data

Nominal air Flow	370 m <sup>3</sup> /h
Thermal efficiency	82 %
Acoustic pressure	48 dB(A)
Measures (L x l x h)	1050 x 483 x 477 mm
Weight	65 Kg
Connexion of the ducts	Ø 160 mm



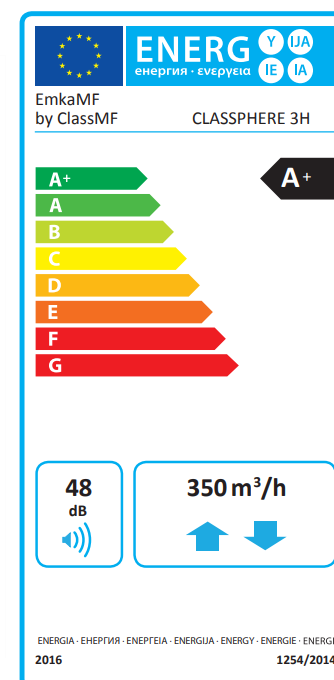
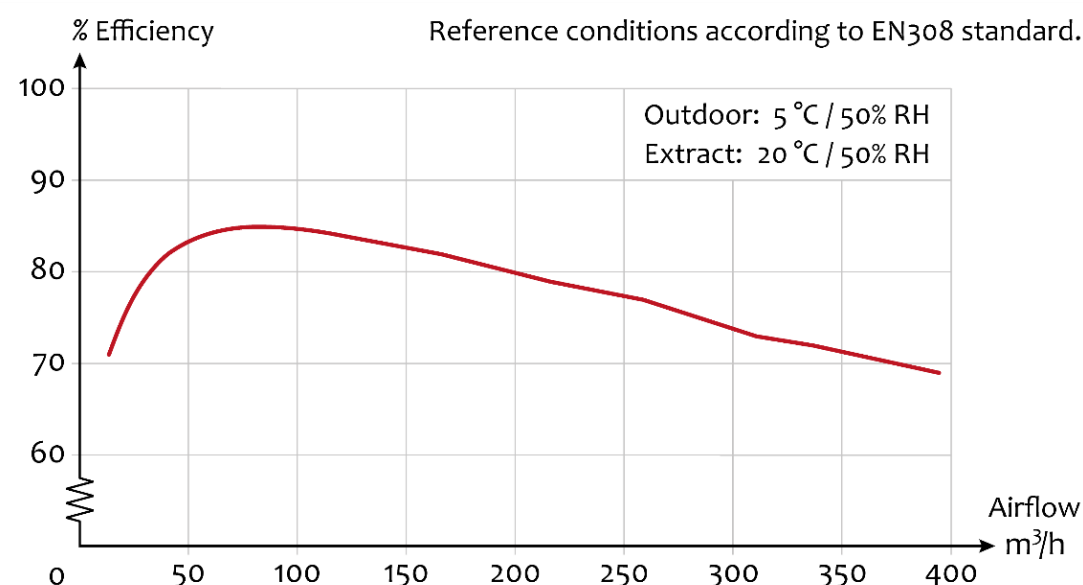
It is important to make a responsible consumption of energy, to conserve the environment and sustainable development. Therefore, energy saving is the reduction that is made in the energy consumption that we use at home and energy efficiency is the optimization of electrical energy.

Classphere units are class A + energy efficient, with our units obtaining great results with minimal consumption, with maximum and sustainable efficiency of quality, controllable and robustness.



Our units are of low energy consumption, achieving a very high ventilation efficiency. We can also save up to 82% of the heat inside the house.

The average cost of electric heating is between 1,960 and 2,168 euros per year, while the average monthly consumption of 291 kWh for each home, thanks to Classphere HRU you can save up to 82% on heating and electricity.



## Quality par excellence on our products

Our company is committed to the quality of our products and in all production processes in accordance with the ISO 9001: 2015 standard that certifies us. We are also committed to the research and development of efficient products for the environment.

Our products are manufactured according to recognized technical safety standards and in accordance with European directives of conformity (CE). Every product we manufacture undergoes a final test that ensures compliance with quality and production efficiency requirements.

All our units go through a very demanding test in order to guarantee the highest quality of all our products.



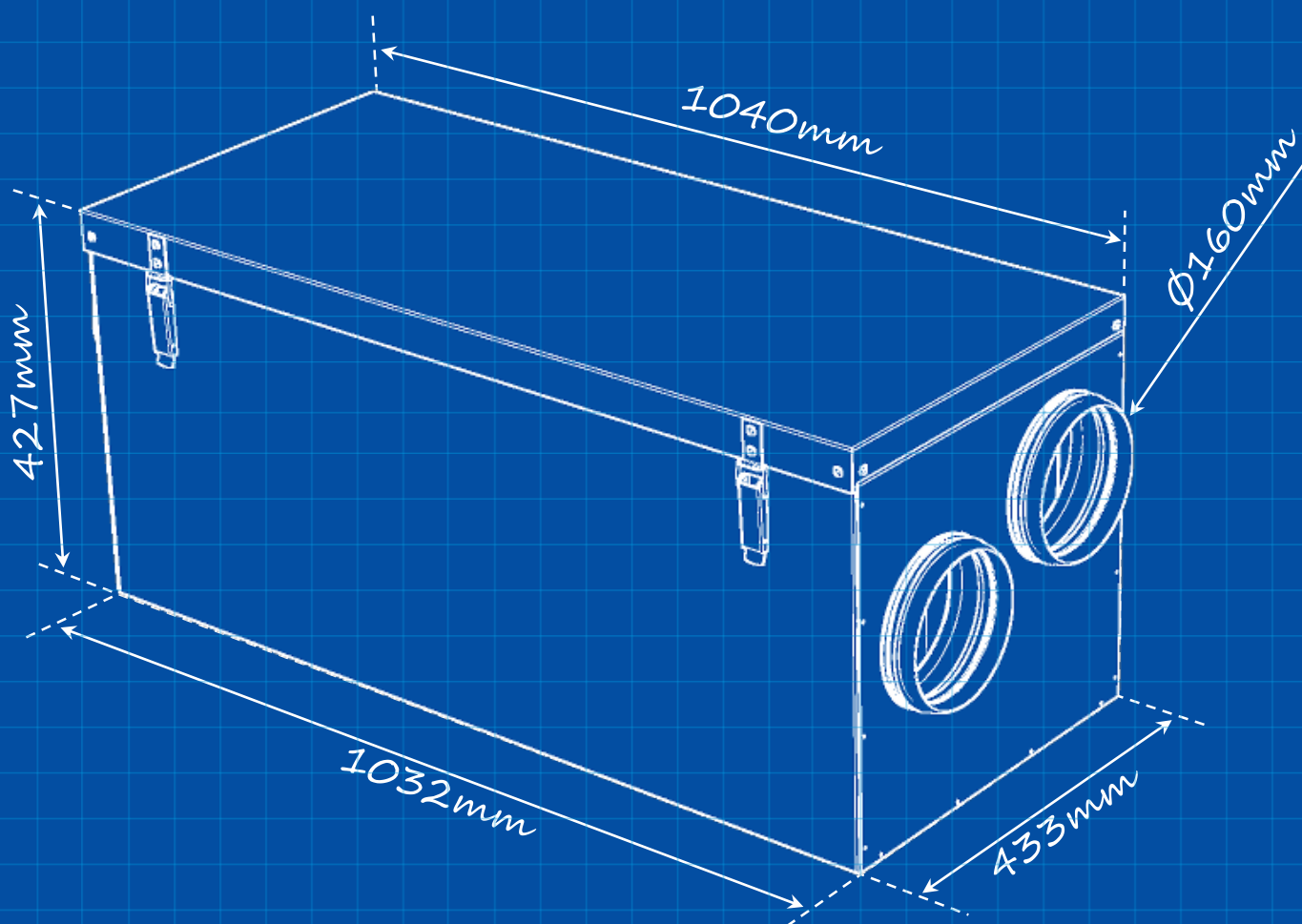


## Made in Spain

EMKAMF is a company that offers a quality service to our clients, due to the effort, quality and experience and above all, to the trust placed by our clients in the entire work team that composes it, to manufacture our products.

Our objective is to achieve customer satisfaction with an assured quality, environmental protection and the achievement of continuous improvement of the activities carried out by the company.

In this case, improve air quality, offering with the main objective of excellent comfort and quality of our homes.



## Contact information

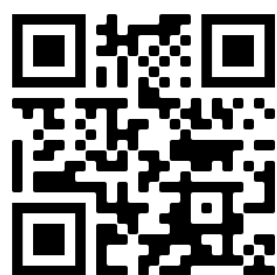
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