

Aircare ES



AS SIMPLE
AS OPENING
A WINDOW BUT
MUCH MORE
EFFECTIVE



Single room controlled ventilation



High air filtration levels



Heat recovery



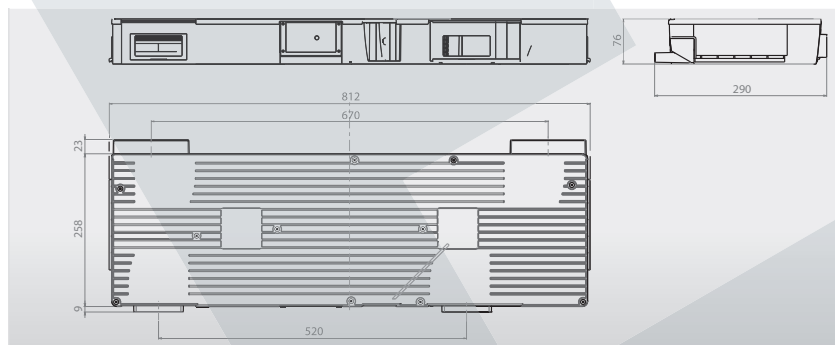
5 speeds and "auto" program

Designed and produced in Italy



THESAN
The green thinking

Aircare built-in version



Light and compact, Aircare ES can be **easily** and **quickly installed** on **any kind of window** (aluminium, PVC or wood), in different positions: horizontally above or below the window, vertically on the left or right side of the window.

pininfarina

Aircare ES has a neat design, thanks to the elegant and unique Pininfarina style. This is the reason Aircare ES can easily fit into any architectural design.

100% aesthetic appeal

Internal view



External view



Performances

Data certified at TÜV laboratory



**Sound
pressure**

L_{PA} **27dB** at 3 m open field
(**lower** than background **noise** in a **library**)

according to standard ISO DIN EN ISO 3743-1



**Acoustic
insulation**

D_{new} = **53 dB** with shutters opened
 D_{new} = **55 dB** with shutters closed
(a good window D_{new} = 45 dB)

according to standard UNI EN ISO 10140-2



**Thermal
transmittance**

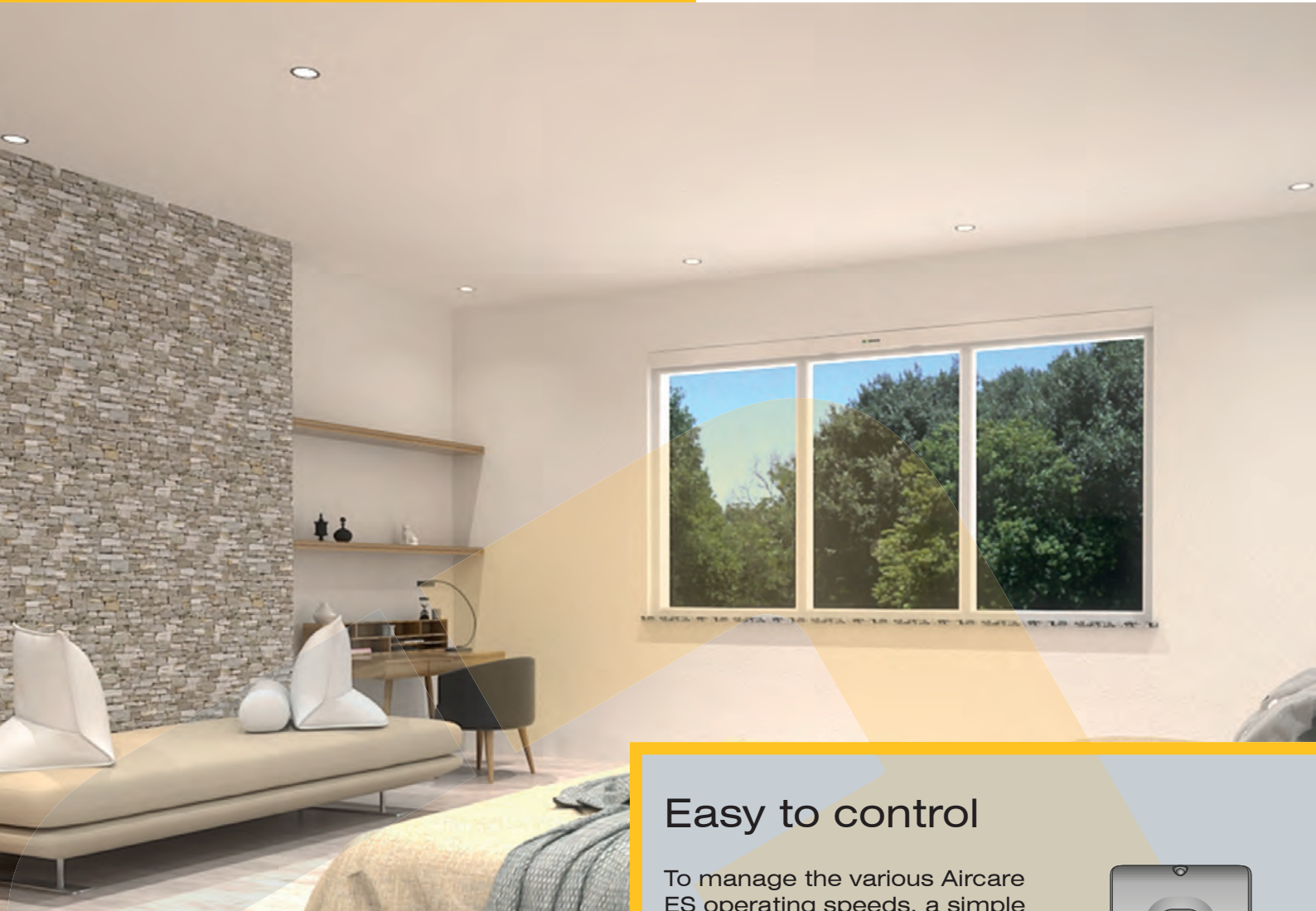
Max 0,3 W/m²K
(a good window: 1,5 W/m²K)



**Hygrometric
comfort**

No water drain needed
Lower Air Conditioning power
consumption

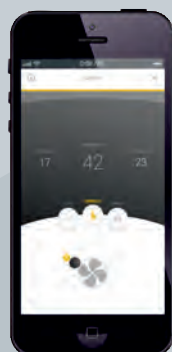
Aircare in window frame



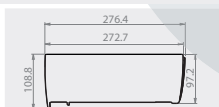
Easy to control

To manage the various Aircare ES operating speeds, a simple and practical 5 button remote control is available, for the following functions:

- On/off
- Automatic mode
- Pre-heating system activation (if implemented)
- Speed increase/decrease
- BYPASS activate/deactivate



The new Aircare App is now available (Android and iOS), which not only manages all the remote control functions (as described above) but also allows to personally set-up all the machines present in your home and constantly check internal and external temperature and internal humidity.



Aircare ES filters. But not only:

Smoke

Internal pollution

CO₂

Carbon dioxide

Humidity

Mould and
condensation

Radon

VOC

External pollution

PM₁₀

Particulates

SO₂

Sulphur dioxide

NO_x

PM_{2,5}

Particulates

HC

Hydrocarbons

Smog

Pollen

Noise

Bacteria

>Aircare ES includes a multilayer filter that eliminates up to **98%** of PM 2.5 (particulates) and all **PM 10**, together with pollen, dust mites, spores and bacteria.

>It **brings** in external **fresh air** which is **filtered** and **preheated** before its entry in the indoor environment.

>It **extracts** the **internal polluted air** whose heat is used to preheat the incoming air.

>It helps to **dilute CO₂**, as well to reduce internal relative **humidity, VOCs**, and **Radon** risk.

Filtration up to HEPA. - NOx filter external integration available.

The Aircare ES system uses an “**enthalpy**” **heat exchanger** to **recover** both sensible and latent **heat**.

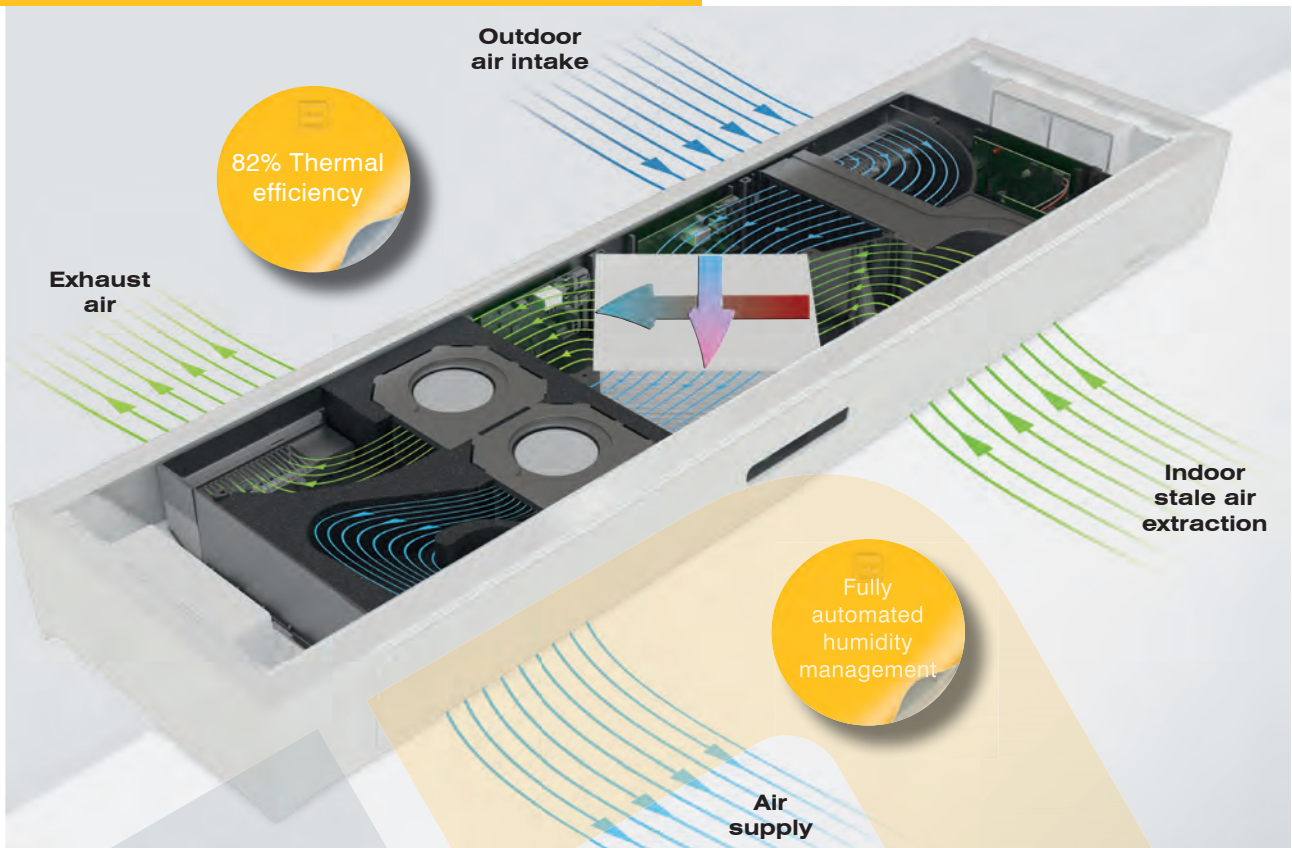
The exchanger assures a maximum **efficiency of 82%**, excellent heat exchange and **high corrosion resistance**.

Aircare ES **works perfectly** with all **heating** and air **conditioning systems** found in the house or designed for new buildings.

Thanks to its **low capacity and air speed**, air exchange is guaranteed without users noticing anything in terms of noise and heat effects.



Why Aircare ES



(*) Speed	(*) Capacity m ³ /h]	(*) Sound Power LwA [dBA]	(***) Sound Pressure L _p (valued for a normalised room) [dBA]	(*) Thermal efficiency %	Power consumption [W]
1	15	37	30	82	4,6
2	20	40	33	-	5,8
3	30	45	38	74	10,3
4	35	48	41	-	14,6
5	41	51	44	69	20,6

(*) Measurement taken in conformity to standard EN 13141-8

(***) Values refer considering measurement in a normalised room, in the middle. In the normalised room a reverberation time of 0,5 seconds is taken into account.



Certified by TÜV SÜD laboratory, according with the harmonised european regulation EN 60335.



No noise



Filtering



Air change



Thermal
insulation



Soundproofing



Lower energy



Energy
efficiency



Economical

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