

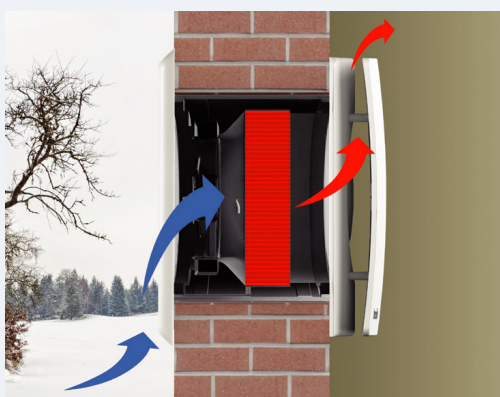
FEATURES



Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014.
Residential Ventilation Unit.

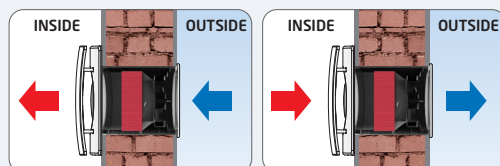
Energy class A
(with humidity control)

- **Thermal efficiency up to 90%**
- **Duct Diameter Ø100**
- **Easy Installation and maintenance:**
 - Magnetic coupling/uncoupling of the unit.
 - External grille with net installable from the inside.
 - Telescopic duct.
- **Wireless communication**
 - Between devices.



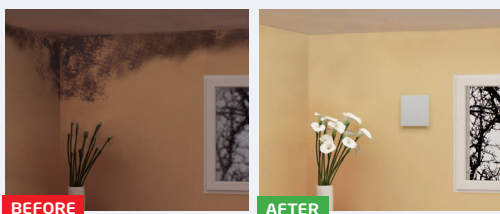
REC Duo 100 is "push-pull" HRU with reverse flow.

It is provided with a ceramic heat exchanger that accumulates the heat from the extracted air during the "pull cycle" and releases it to the new fresh air during the "push" cycle



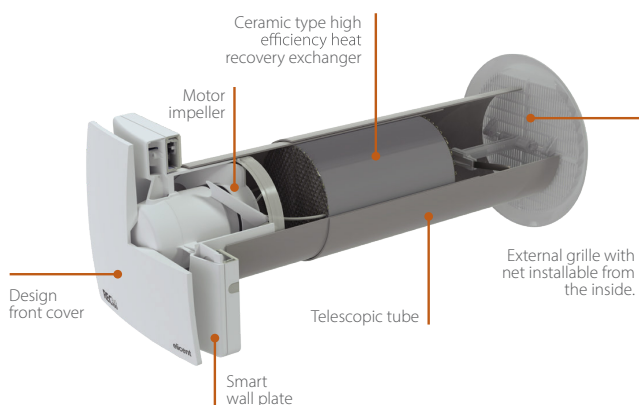
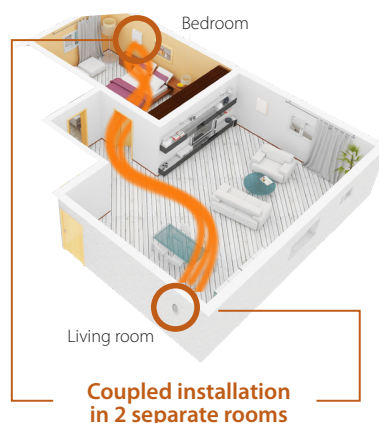
REVERSE FLOW **60** SECONDS

The system effectively helps to prevent the formation of mold on the walls from insufficient natural ventilation.



- Very high efficiency decentralized HRU with heat recovery up to 90%.
- Ideal for residential applications and in any ambient where it is necessary to ensure a constant thermal comfort both in the summer and in the winter.
- Suitable for any kind of rooms.
- A coupled installation is recommended to optimize the system efficiency, in a single room or separate rooms.
- Direct exhaust through walls with thickness from 300 to 500 mm
- Suitable for conveying air to a max. temperature of 50°C.
- Stylish and ultra-slim front cover. Very compact dimensions.
- Provided with filters G3 class both in intake and in extract, easily removable and washable.
- Free-cooling function.
- EC brushless motor
- Comply with EN 60335-2-80, LVD 2014/35/UE, EMC 2014/30/UE.
- Compliant with Australian Standards (RCM)
- IPX4
- **CE**marked

EXAMPLES OF INSTALLATION



**MAGNETIC
COUPLING/UNCOUPLING
OF THE UNIT TO THE
CONNECTION PLATE**



REC DUO 100 PLUS RC CONTROLS



24 hours running in push-pull modality at low speed (adjustable by the end-user). Boost speed is available in push-pull modality and turns on automatically via humidistat (adjustable from 45 to 85% of R.H) and increases/decreases progressively according to the detected humidity level.

In case of a persistent and high concentration of humidity, the unit automatically switches to the extraction operation modality. It then switches back to the push-pull operation modality at low speed when the humidity level goes beneath the pre-selected threshold.

The unit is supplied with a remote controller for the selection and activation of advanced comfort ventilation functions.

REC DUO 100 PLUS RC is supplied with a remote controller through which selecting the speed and managing the following operation modalities:

0 - On/Off

1 - Push-pull operation modality

24 hours reverse flow running at the selected speed

2 - Speed 1

3 - Speed 2

4 - Boost speed with timer (extraction mode only)

5 - Sleep mode

the operation at low speed is frozen for 8 hours to ensure high acoustic comfort during the night. The function can be unblocked at any time by pressing any button (except button 0).

6 - Flow control

operation in intake or extract mode only.

Press once: extraction mode

Press twice: intake mode

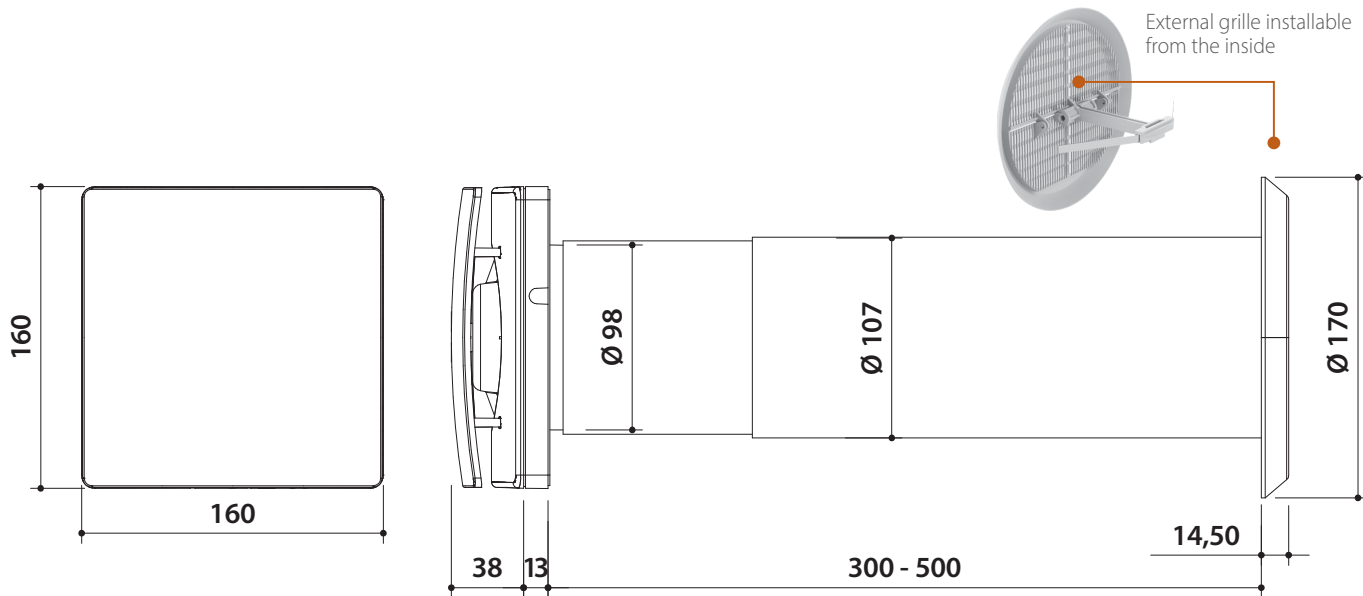
7 - Free-cooling mode: air exchange without heat recovery



Led signal:

Any time a button is pressed, a led switches on the remote controller to indicate that the signal has been received.

DIMENSIONS (mm)



PERFORMANCE

MODEL	DUCT	WALL THICKNESS	AIRFLOW min / max / only exhaust	V at 50 Hz	W min / max / only exhaust	dB(A)*
	Ø (mm)	min max (mm)	m³/h			Lp
REC Duo 100 / 100 MHY / 100 PLUS RC	107	300 - 500	12 / 30 / 40	230	1 / 2,8 / 3,5	15 / 29

* measured at 3 m in open field



Decentralized Heat Recovery Unit