



Coupled installation in a single room or 2 separate rooms



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

Energy class A

- Thermal efficiency up to **90%**
- Ø100
- Easy Installation and maintenance:
 - Magnetic coupling/uncoupling of the unit
 - Telescopic duct
- Low consumption (min. 1 W)



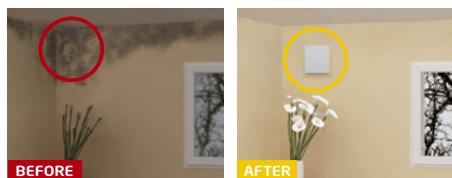
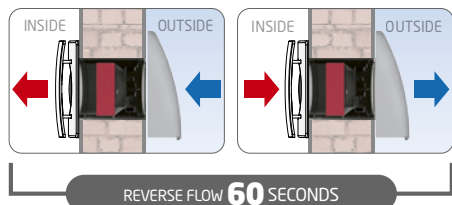
High acoustic insulation
D_{n,e,w} 45 dB

Soundproof outer cover

- High sound absorption: **designed to reduce noise from outside** and for particularly windy outdoor conditions
- Equipped with **self-extinguishing soundproof lining**
- Made of **stainless steel INOX 304** with a front inspection panel and anti-insect net

PRINCIPLE OF OPERATION

REC duo 100 is a "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.



FEATURES

- Very high efficiency decentralized HRU with heat recovery up to 90%.
- Ideal for residential applications and in any environment where it is necessary to ensure a constant thermal comfort both in summer and in winter.
- Suitable for any kind of room.
- A coupled installation is recommended to optimize the system's efficiency, in a single room or in separate rooms.
- Direct exhaust through walls with thickness from 300 to 500 mm (adaptable to other wall thicknesses from 220 to 1000 mm: see section Dimensions).
- Suitable for conveying air to a max. temperature of 40°C.
- Extremely compact, flush-mounted construction made of high-quality, durable plastic.
- Highly efficient ceramic heat exchanger.
- Perfect thermal-acoustic insulation and no condensation problems.
- Equipped with class G3 polypropylene filters for air filtration in both intake and extraction, before passing through the heat exchanger. Easily removable filters for replacement or washing.
- Free-cooling function.
- EC brushless motor.
- Complies with EN 60335-2-80, LVD 2014/35/EU, EMC 2014/30/EU.
- IPX4.
- CE marked.

MODELS & OPERATION

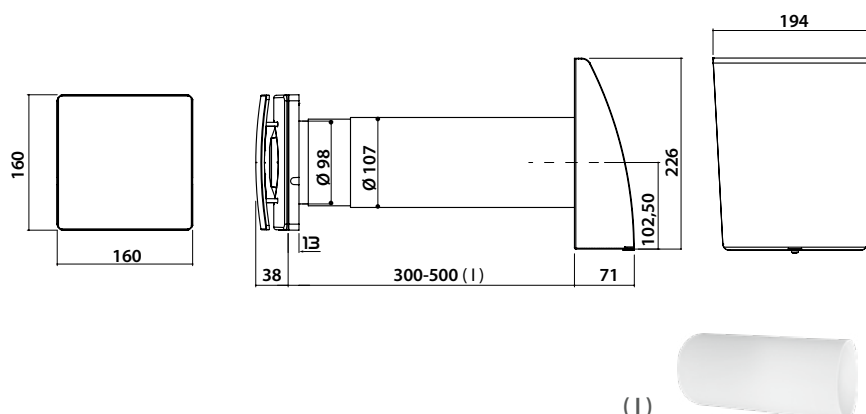
See Dyrec Duo 100, page 15

PERFORMANCE

MODEL	DUCT	WALL THICKNESS	AIR FLOW min / max only exhaust	V AT 50 HZ.	W min / max only exhaust	dB(A)*
	Ø (mm)	min. / max (mm)	m³/h			Lp
DYREC Duo 100 - 100 MHY - 100 Plus RC SILENT	107	300 - 500	12 / 30 / 40	230	1 / 2,8 / 3,5	15 / 29

* at 3 m in open field

DIMENSIONS mm



(I)

For walls with thickness > 500 mm: It is necessary to use the telescopic duct available as accessory
Cod. 2KT0014