

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

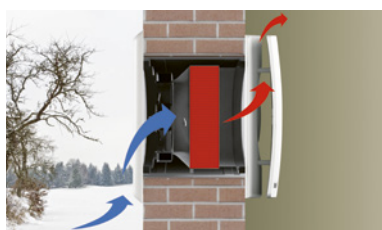
FEATURES

- 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.
- Ideal for habitable spaces (living rooms, bedrooms).
- 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.
- Stylish and ultra-slim front cover. Very compact dimensions.
- Provided with G3-class filters both in intake and in extract, easily removable and washable.
- Free-cooling function.
- EC brushless motor.
- Complies with EN 60335-2-80, LVD 2014/35/EU, EMC 2014/30/EU.
- IPX4.
- **CE** marked.

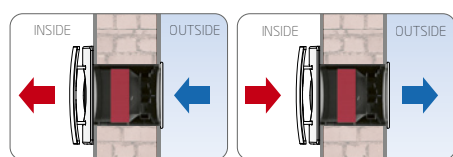
Energy class A

- Thermal efficiency up to **90%**
- Ø100
- Easy Installation and maintenance:
 - Magnetic coupling/uncoupling of the unit
 - External grille with net, installable from the inside
 - Telescopic duct
- Wireless technology (DYREC duo 100 PLUS RC)
- Drastic solution to humidity and condensation problems

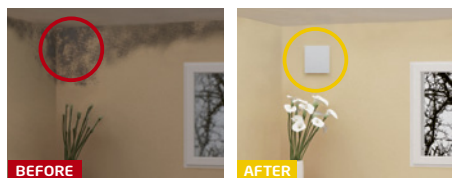
OPERATION



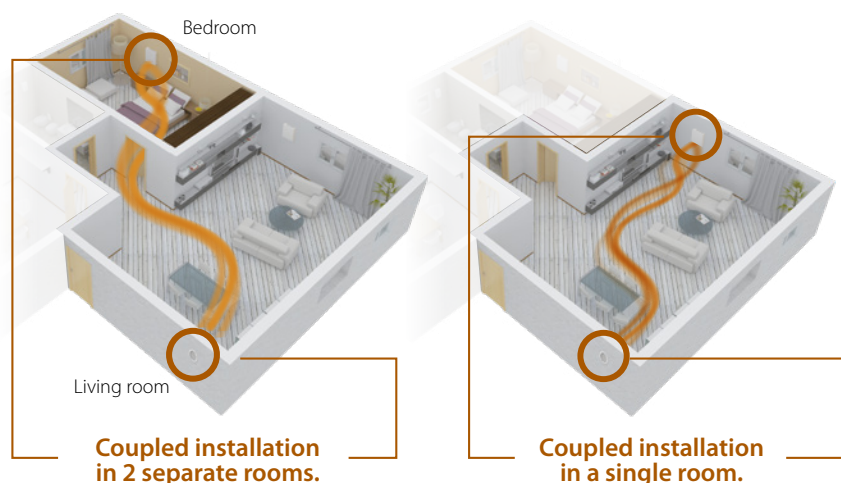
DYREC Duo 100 is a "push-pull" HRU with reverse flow. It is provided with a ceramic heat exchanger that accumulates the heat from the extracted air during the "pull" cycle and releases it to the new fresh air during the "push" cycle.



REVERSE FLOW **60** SECONDS



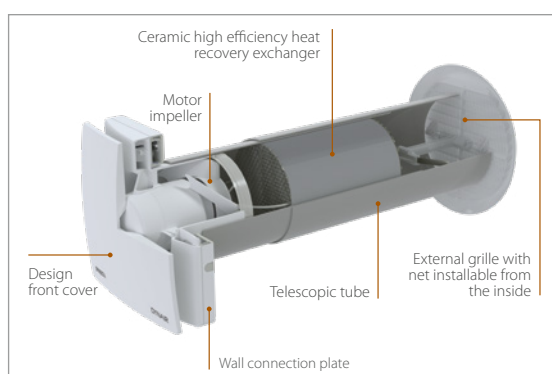
EXAMPLES OF INSTALLATION



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	107	300 - 500	12 / 30 / 40	230	1 / 2,8 / 3,5	15 / 29

* at 3 m in open field



MAGNETIC COUPLING UNCOUPLING OF THE UNIT TO THE CONNECTION PLATE



