

# REC<sup>duo</sup><sub>100</sub>

Decentralizált hővisszanyerős egység



Telepítés párban egyágyas szobába  
vagy 2 elkülönített szobába



Megfelel az ErP Directive 2009/125/CE  
és EU Törvény 1253/2014.  
Háztartási ventilátor egység.

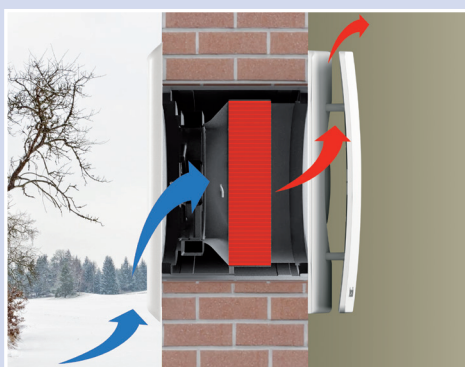
● **Termikus hatékonyság akár 90%**

● Ø100

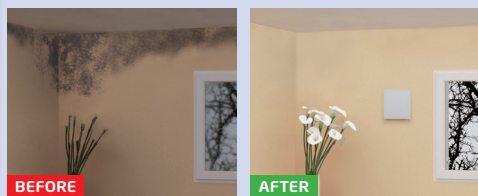
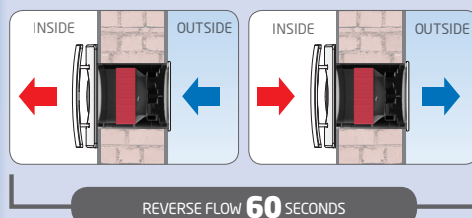
● Könnyű telepítés és karbantartás:

- A készülék mágneses kapcsolása / lekapcsolása.
- Külső rács belülről telepíthetőséggel.
- Teleszkópos csatorna.

● Vezeték nélküli kommunikáció  
(Rec Duo 100 Plus RC)



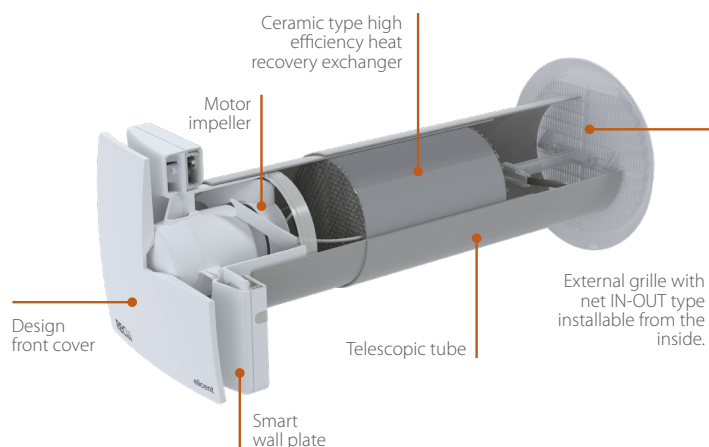
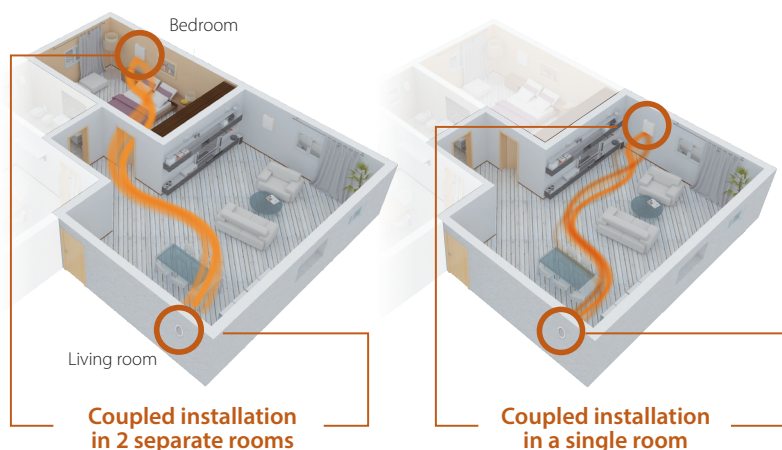
REC Duo 100 is a "push-pull" HRU with reverse flow. It is provided with a ceramic heat exchanger that accumulates the heat from the extracted air during the "pull" cycle and releases it to the new fresh air during the "push" cycle.



## FEATURES

- Very high efficiency decentralized HRU with heat recovery up to 90%.
- Ideal for residential applications and in any 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 (adaptable to other wall thickness from 220 to 1000 mm: see section Dimensions).
- 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 and Antifreeze functions.
- EC brushless motor.
- Comply with EN 60335-2-80, LVD 2014/35/UE, EMC 2014/30/UE.
- IPX4
- CE marked

## EXAMPLES OF INSTALLATION



MAGNETIC  
COUPLING  
UNCOUPLING  
OF THE UNIT  
TO THE  
CONNECTION  
PLATE



## MODELS & OPERATION



### REC DUO 100 Cod. 2RC1100

24 hours running in push-pull modality at low speed (selectable between 2 at installation). The unit switches to the extraction operation modality when speed boost is activated through remote control switch or RLS controller (available as accessory). The maximum speed is provided with a timer (adjustable from 0 to 30 minutes). Once concluded the overrun via timer, the fan automatically switches back to the push-pull operation modality at low speed.



### REC DUO 100 MHY Cod. 2RC1200

24 hours running in push-pull modality at low speed (selectable between 2 at installation). The unit switches to the extraction operation modality when speed boost is activated, manually or automatically:

**Manually** via control switch or RLS controller (available as accessory). The maximum speed is provided with a timer (adjustable from 0 to 30 minutes). Once concluded the overrun via timer, the fan automatically switches back to the push-pull operation modality at low speed.

**Automatically** via humidistat (adjustable from 45 to 85% of R.H). The fan speed increases/decreases according to the humidity level detected above the pre-selected threshold. It then switches back to the push-pull operation modality at low speed when the humidity level goes beneath the pre-selected threshold.



### REC DUO 100 PLUS RC Cod. 2RC1300

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.

### RLS

Cod. 2RV4158

Available as accessory for  
REC DUO 100 and REC DUO 100 MHY



- On-Off
- Boost Selection (extraction mode)

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)

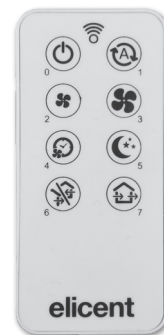
#### 5 - Sleep mode

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.

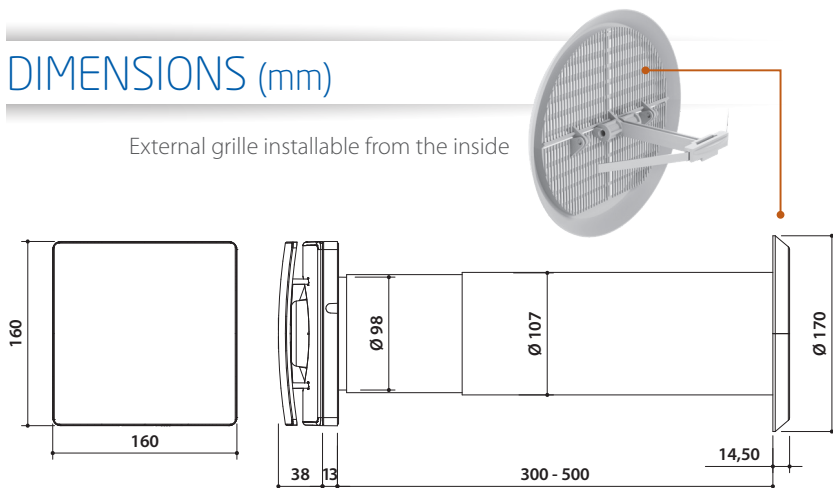
## PERFORMANCE

MODEL	DUCT	WALL THICKNESS	AIRFLOW min / max / only exhaust	V at 50 Hz	W min / max / only exhaust	dB(A)*  Lp
	Ø (mm)	min max (mm)	m³/h			
REC Duo 100 / 100 MHY / 100 PLUS RC	107	300 - 500	12 / 30 / 40	230	1 / 2,8 / 3,5	15/33

\* measured at 3 m in open field

## DIMENSIONS (mm)

External grille installable from the inside



#### For walls with thickness > 500 mm:

It is necessary to use the telescopic duct available as accessory

**Cod. 2KT0014**

#### For wall thickness between 220 and 300 mm:

it is necessary to cut the duct and to use the external grille MFE, available as accessory,

**Cod. 2GE2002**

