



## Decentralized Heat Recovery Unit



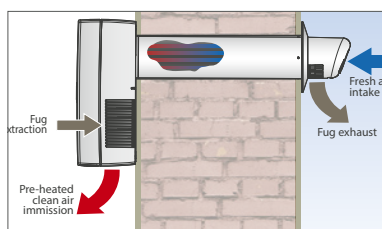
For single rooms  
up to 40 m<sup>2</sup>



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

- Integrated Humidity Control
- Thermal efficiency up to **75%**
- Easy to install: no ducting system or heavy masonry required.  
A hole of Ø100 mm is sufficient
- Ideal for renovation and energy requalification
- Drastic solution to humidity and condensation
- EC motors

### OPERATION



- Tubular heat exchanger with separate flows for a perfect hygiene.
- Balanced double flow, 24/7 running.

### FEATURES

- **DYREC Smart+** is available in a range of 3 models corresponding to 3 different duct lengths, with a unique duct diameter 100 mm. The measures reported on the dimensional drawing refer to the maximum thickness of the wall on which the ventilation unit can be installed: 400, 500, 600 mm.
- 3 models with duct Ø100 mm and 3 standard lengths for wall thickness up to 600 mm.
- Suitable for any kind of room. Ideal for wet rooms like kitchens and bathrooms.
- Extremely compact and versatile: can be installed in horizontal or vertical position.
- High energy saving thanks to EC motors.
- Integrated by-pass and antifreeze functions.
- Provided with 3 filters: the air is filtered in both flows before entering the heat exchanger.
- Easy maintenance and cleaning: filters and heat exchanger are removable and washable.
- Complies with EN 60335-2-80, LVD 2014/35/EU, EMC 2014/30/EU.

### OPERATION

**DYREC Smart+** is designed for a 24 hours running at the minimum speed. The unit switches at the highest speed through a manual command on a remote controller (remote switch / push button, radio controller or Touch Panel) or automatically (through the integrated humidity sensor or via the Touch Panel weekly programming). Both models RC and TC are provided with the MHY Smart humidity control (a technology patented by Maico Italia) which allows to have the ventilation speed automatically set according to the detected humidity level. The BOOST function (maximum speed) is provided with a timer (adjustable from 0 to 30 minutes) that can be activated through remote controller (switch, light switch, radio controller, touch panel). The function is useful in case it is necessary to have the unit running at the maximum speed independently from the humidity level.

### MODELS

#### DYREC<sup>smart+</sup> RC

The model is supplied with a remote radio controller. The ventilation unit is provided with 3 LED that indicate the operation modality, including the sleep mode and the extraction mode, as well as the indication of potential anomalies.



Through the remote radio controller it is possible to activate the following functions:

- On/Off
- Speed/ventilation level regulation
- Sleep modality that allows to have the unit running silently at low speed during the night (the boost function is excluded)
- Post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed

#### DYREC<sup>smart+</sup> TC

The model is supplied with a remote Panel Touch controller with coloured screen.



The Touch Panel allows to manually or automatically activate (through the weekly programming) the following functions:

- Speed/ventilation level regulation
- Ventilation modality (by-pass function, free-cooling, extraction only, immission only)
- Threshold humidity level over which the unit increases its speed
- Post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- Sleep modality that allows to have the unit running silently at low speed during the night (the boost function is excluded)

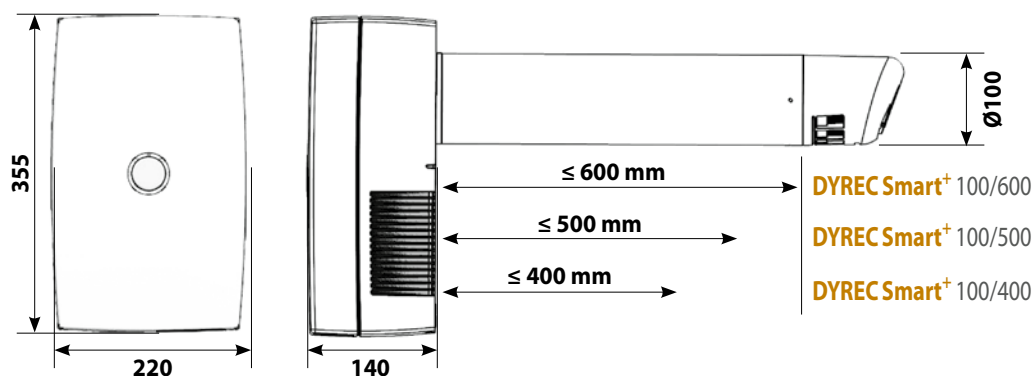


### PERFORMANCE

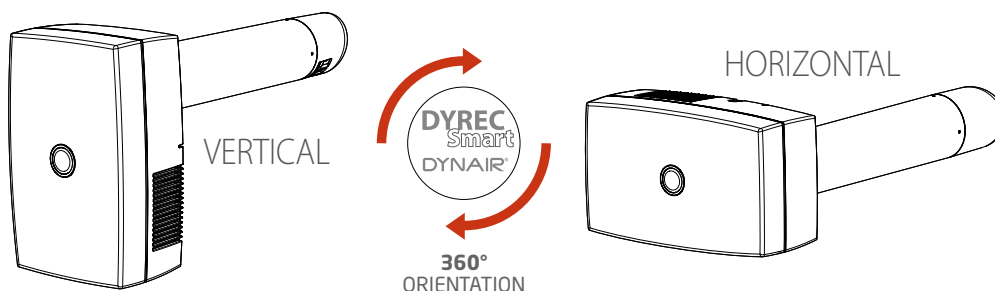
MODELS	DUCT	WALL THICKNESS	V	m³/h	l/s	W	A	dB(A)		Kg
	Ø mm	max mm						LwA	LpA*	
RC DYREC <sup>smart+</sup>   RADIO CONTROL										
DYREC Smart+ L400 + REMOTE CONTROLLER	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
DYREC Smart+ L500 + REMOTE CONTROLLER	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
DYREC Smart+ L600 + REMOTE CONTROLLER	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0
TC DYREC <sup>smart+</sup>   TOUCH CONTROL										
DYREC Smart+ L400 + TOUCH PANEL	100	400	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,8
DYREC Smart+ L500 + TOUCH PANEL	100	500	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	3,9
DYREC Smart+ L600 + TOUCH PANEL	100	600	230	27 / 53	8 / 15	8,3 / 28,3	0,075 / 0,207	48,3 / 59,4	27,7 / 39,3	4,0

\* at 3 m in open field

### DIMENSIONS (mm)



### INSTALLATION



### REMOVE MOULD AND BREATHE A HEALTHIER AIR!

