



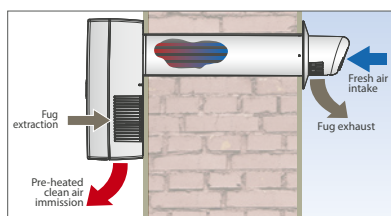
For single rooms  
up to 40 m<sup>2</sup>



Complies with ErP Directive and  
UE Regulation 1253/2014  
Residential Ventilation Unit (VU)

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

### OPERATION



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

### CONTROLLER



Built-in installation



**RLS - Remote Speed control (min-max) and on/off switch.**

- New design with cover
- Suitable for surface or built-in installation
- Ease of connection by the means of removable terminals
- Protection IP42
- Weight 0,40 Kg
- Supply voltage 230V – 50/60 Hz
- Dimensions 110 x 80 x 42



Supplied as accessory.  
Indispensable  
with standard version.

See page 67

### FEATURES

- 3 models with duct Ø 100 mm and 3 standard lengths for wall thickness up to 600 mm.
- Ideal for habitable spaces (living rooms, bedrooms).
- Extremely compact and versatile: can be installed in horizontal or vertical position.
- High energy saving thanks to EC motors.
- Integrate 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.

### PERFORMANCE

MODELS	DUCT	WALL THICKNESS	V	m³/h	l/s	W	A	dB(A)		Kg
	Ø mm	max mm						LwA	LpA*	
 BASE Version / 24 hours running / Timer										
DYREC Smart 100/400	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 100/500	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 100/600	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
 MHY Version / 24 hours running / Humidity control - Timer										
DYREC Smart 100/400 - MHY	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 100/500 - MHY	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 100/600 - MHY	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

\* Lp(A) measured at 3 m in open field 230V-50 Hz

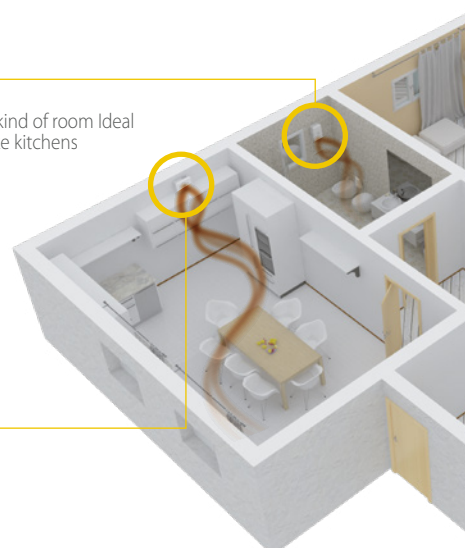


**Filter holder and F7 filter**  
(upon request)

### INSTALLATION EXAMPLES



Suitable for any kind of room Ideal for wet rooms like kitchens and bathrooms.





### VERSIONS

#### BASE

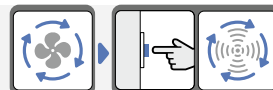
version



I 24/7 running at the minimum speed.



II The unit switches at the highest speed through a manual command on a remote control (switch, push button or RLS controller).



III The highest speed is provided with a timer (adjustable from 0 to 30 minutes). At the end of the delay running, the fan automatically turns back to the minimum speed.



#### MHY Version

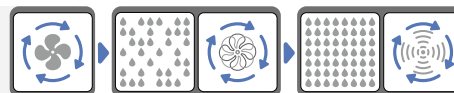
Humidity control



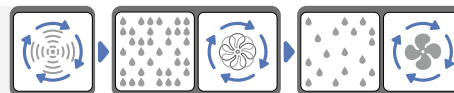
I 24/7 running at the minimum speed.



II The unit switches to the highest speed automatically through the humidity sensor. The maximum speed is reached progressively according to the humidity level of the room.



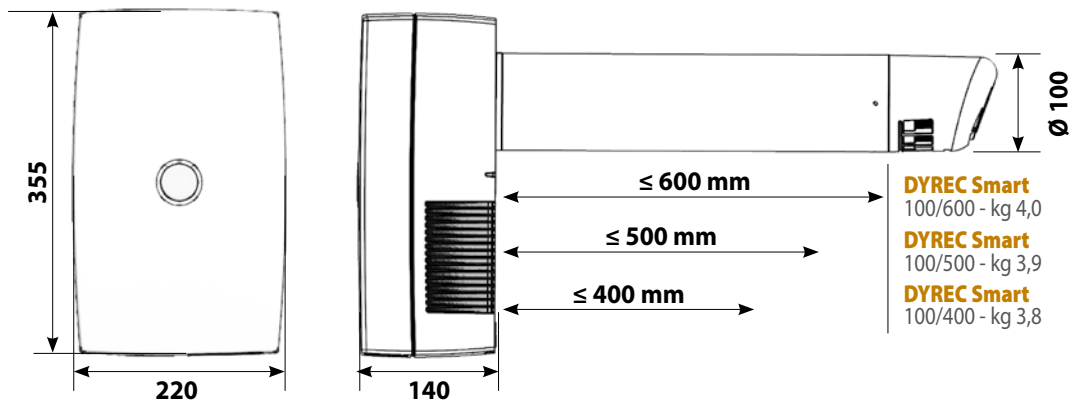
III Once the humidity goes under the pre-set level (adjustable from 40 to 90% of R.H.), the unit automatically switches to the minimum speed.



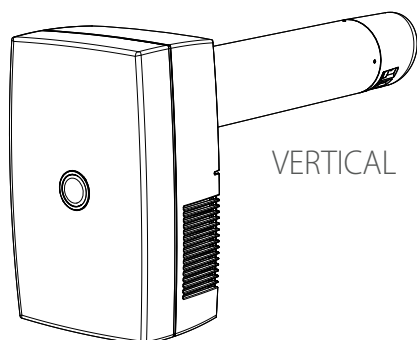
Also the MHY version is provided with a timer adjustable from 0 to 30 minutes for the manual boost at the maximum speed. The function is useful in case it is necessary to have the fan running at the maximum speed independently from the humidity level (see point III base version).



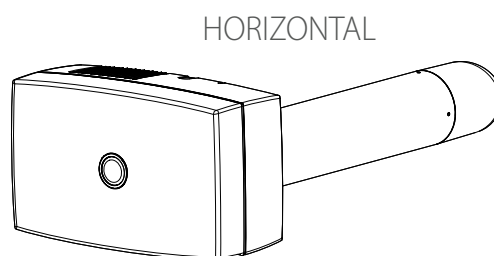
### DIMENSIONS (mm)



### INSTALLATION



VERTICAL



HORIZONTAL