

# Technical datasheet

## SIBER<sup>®</sup> HRV EVO 4



### Compact High-Performance Intelligent HRV Unit

The Siber HRV EVO 3 unit is a high-Performance double flow recovery group with constant flow ventilation technology, centrifugal fan with direct current and forward inclined blades, thus ensuring constant flow, acoustic comfort, reduced electrical consumption, easy maintenance and optimum air quality.

#### TECHNICAL ADVANTAGES

- Constant flow ventilation technology
- Wide variety of custom filters
- Better energetic efficiency (up to 95%)
- Silent running
- 100% automatic by-pass (free cooling)
- Control through wireless connection
- 99% recyclable
- Passivhaus certificate



#### SIBER HRV EVO 4



#### INSTALLATION ADVANTAGES

- Quick & easy installation
- Orientative guides on both laterals
- Orientable connections, the best sealing
- No condensation drain needed
- Vertical mounting or false ceiling installation
- Perfectly parallel installation
- No inclination needed for the condensation drain
- One unit, two modes (left/right)

#### CERTIFICATION



#### APP



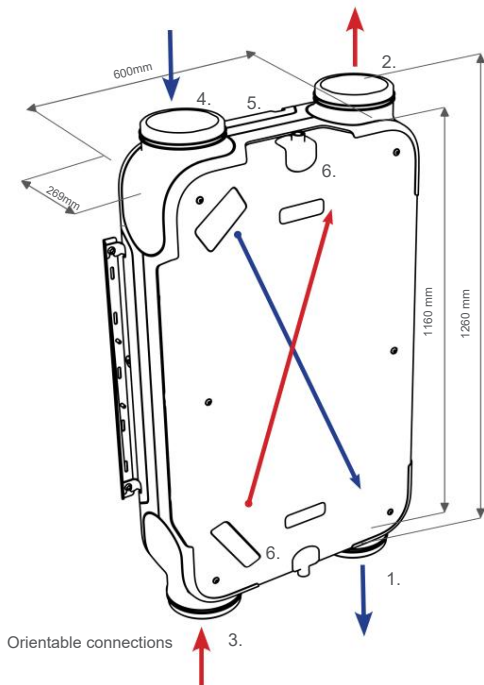
**MAXIMUM FLOW: 400 m<sup>3</sup>/h**

**Low profile - 27cm height**

**Intelligent By-pass (free cooling)**

Thanks to its aerodynamic design, it reaches a better airflow with less pressure, **being more efficient energetically**

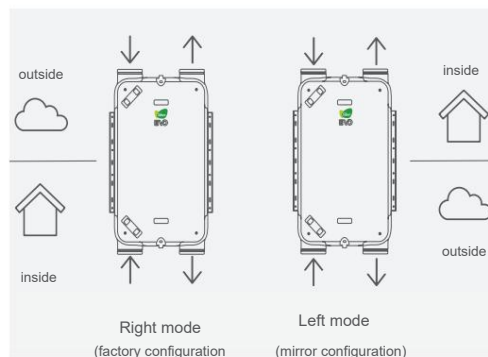
## DIMENSIONS / AIRFLOW



Airflow in right mode  
(factory version)

### CAPTION

1. Insufflation of new air to into house
2. Extraction of foul air
3. Extraction of foul air from the inside of the home
4. New air's intake from outside
5. Electrical connections
6. Condensation drain connection\*



\*Only one condensate drain is connected, the other drain must remain closed with the plug.

A height of only 21 cm / 8.2 inch

Optimize the space in false ceiling



### PERFECTLY PARALLEL TO THE CEILING

Its design allows it to be installed perfectly horizontally without the 2% degree inclination for the condensation drain

## OPTIONAL ACCESSORIES

Filter G4 COARSE 65%

Filter F7 EPM 1 55%

Filter G4\_F7 COARSE 65% - EPM 1 55%

Carbon Filter

Filter F9 EPM 1 80%

Filter G4\_F9 COARSE 65% - EPM 1 80%

Dry siphons (flexible/ball)

Wireless Multicontrol Remote

Wireless 4 Position Push Button Control

Smart Wireless CO<sub>2</sub> Sensor

Smart Wireless Humidity Sensor

Gateways/Home Automation turns the home into a Smart Home

Siber APP EVO intelligent monitoring of the equipment and indoor air quality online

\* Check our Siber catalogue to see full range of accessories available

## CONVERT YOUR HOME INTO A SMART HOME WITH SIBER (optional)








Connectivity through:  
**KNX**  
**Modbus**  
(Siber APP EVO connection from the ethernet gateway)

Look after the health of your family and yours, monitoring the Air Quality of your home!

Thanks to the smart control, you get a full online monitoring of the most essential functionalities.

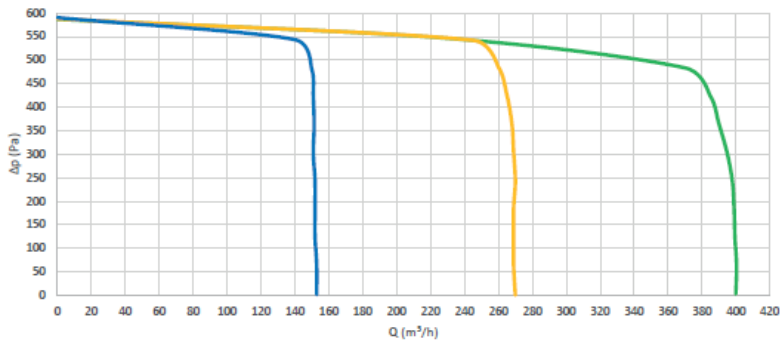
## TECHNICAL DAT SIBER HRV EVO® 4

Voltage supply	230V/ 50Hz				
Degree of protection	IP 44				
Dimensions (lxhxp)	1160 x 600 x 269mm				
Connections diameter	Ø 160				
Condensation drains diameter	0 1/2"				
Weight	39kg				
Filter classification (included)	Coarse > 65% (G4)				
Fan position (factory presets)					
Remote control ON/OFF variable speed (optional)	0	1	2	3	Maximum
Ventilation flow (m³/h)	180	275	300	350	40

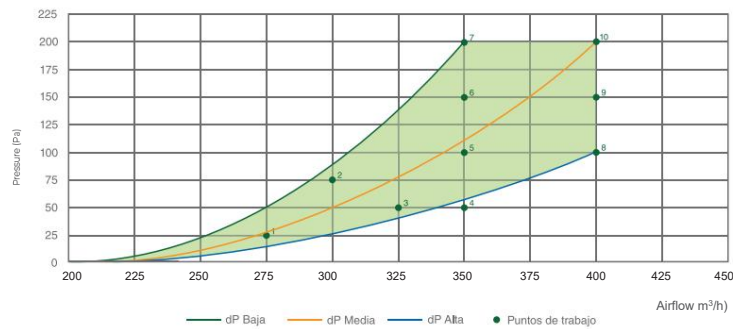
## ACOUSTIC LEVEL SIBER® HRV EVO 4

Airflow (m³/h)	210	
Acoustic level Lw (A)	Static pressure (Pa)	50
	Box irradiation (dB(A))	45
	Extraction duct (dB(A))	47
	Insufflation duct (dB(A))	59

## CHARACTERISTIC CURVES



— Maximum speed  
— Middle speed  
— Minimum speed



Working points	AIRFLOW (m³/h)	PRESSURE (Pa)	POWER (W)	SFP (W/l/s)
1	275	25	86.4	1.13
2	300	75	122	1.46
3	325	60	143	1.58
4	350	60	168	1.73
5	350	100	162	1.67
6	350	150	192	1.97
7	350	200	234	2.41
8	400	100	235	2.12
9	400	150	257	2.31
10	400	200	280	2.52

## SUSTAINABILITY



### SUSTAINABILITY

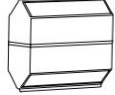


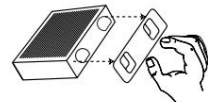
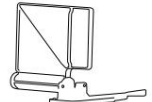
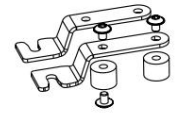






Construction in expanded polypropylene and galvanized steel, being able to be recycled, reducing the consumption of resources and the degradation of the planet



# HIGH PERFORMANCE TECHNICAL CHARACTERISTICS

## Description

## Image

<p><b>High performance heat exchanger</b></p>	<p>Cross flow heat exchanger as standard</p>	
<p><b>Constant Flow fans</b></p>	<p>Constant flow ventilation technology, direct current centrifugal fan and forward inclined blades. Thanks to this technology, constant flow, acoustic comfort, reduced electrical consumption, easy maintenance and optimum air quality are ensured.</p>	
<p><b>High efficiency filters</b> (optional)</p>	<p>It has the widest range of filtering on the market, to guarantee optimum air quality.</p> <p>DF34FG4 - G4 COARSE 65% FILTER (2 filters included)            DF34FF7 - F7 EPM1 55% FILTER            DF34FG4F7 - COMBINED FILTER G4 + F7 COARSE 65% - EPM1 55%            DF34FCA - CARBON FILTER            DF34FF9 - F9 EPM1 80% FILTER            DF34FG4F9 - COMBINED FILTER G4 + F9 COARSE 65% - EPM1 80%            DF34FCAG4- CARBON FILTER + G4</p>	
<p><b>Easy maintenance</b></p>	<p>Easy access to filters cleaning, directly through the front panel. Simple access and removal of the heat exchanger and fans (recommended every 3 years)</p>	
<p><b>Smart bypass</b></p>	<p>The 100% automatic by-pass serves both in summer and winter to enjoy favorable temperature inside the house in any situation without going through the heat exchanger. This management is automatic (factory configured)</p>	
<p><b>Quick and easy assembly</b></p>	<p>Mounting on both ceiling and wall, with the possibility of installing the guides on all sides of the equipment thanks to the versatility of the silentblock hooks. Standard or inverted position configuration of the equipment, reversing the directions of the mouths on both sides</p>	
<p><b>High performance construction</b></p>	<p>Watertight internal construction of expanded polypropylene (PPE), and external construction of galvanized steel covered with thermo-lacquered paint RAL 9003, guaranteeing acoustic and thermal insulation and air tightness.</p>	
<p><b>Adjustable Connections</b></p>	<p>Modularity in connection quickly and easily. The mouths are designed to ensure maximum tightness. Double symmetrical seal that guarantees the tightness of the fit of the duct with the equipment</p>	
<p><b>Low consumption</b></p>	<p>High-performance motors with exclusive technology, ensuring the lowest energy consumption</p>	
<p><b>Wireless regulation</b> (optional)</p>	<p>With connection to wireless controls and probes (CO2 and Relative Humidity)</p> <ul style="list-style-type: none"> <li>• Wireless intelligent multi-control controller with electronic regulation and filter fouling indicator.</li> <li>• 4-position wireless push-button control with LED filter fouling indicator</li> </ul>	
<p><b>Siber App EVO</b> (optional)</p>	<p>Intelligent control system for online monitoring of the most important elements for the control and monitoring of the indoor air quality of the home</p>	
<p><b>Gateway - home automation</b> (optional)</p>	<p>Connectivity through KNX - Modbus. Turn your home into a Smart home</p>	
<p><b>Air Flows</b> (right and left version)</p>	<p>Possibility of configuring the equipment in 2 versions. Right version (factory position) and by activating the "mirror mode" we go to the left version in one simple step.</p>	