



COUNTER-FLOW, HIGH-EFFICIENCY HEAT RECOVERY UNIT

IDEO 325 ECOWATT

ENERGY
EFFICIENT



VENTILATION
SYSTEM



NEW

LOW NOISE

Whole house heat recovery unit with a high-efficiency heat exchanger up to 92% with constant flow, setting and very low consumption DC motor.

Provides a constant supply of fresh tempered air into the living spaces of a home whilst extracting condensation, smells and smoke from kitchens, bathrooms and toilets. The central unit is completed with extraction outlets located in different rooms (kitchen, toilets, bathroom) and inlets located in the main rooms (dining room, bedrooms).

Features

- 2 constant flow fans.
- Counter-flow heat exchanger with up to 92% performance.
- Wireless remote control.
- Wireless kitchen boost.
- F5 (optional filter F7) inlet filter with G4 pre-filter.
- G4 extraction filter.
- 100% summer by-pass option for free cooling.
- 4 nozzles, Ø 150/160 mm.
- 1 drain for vertical fitting.
- 1 antenna with potential transmission/reception range of 150 metres in a open space.
- 1 wall bracket.
- Air tight construction.

A P P L I C A T I O N S



Attic or closet installation

Wireless programmable control



Wireless Kitchen boost



Easy access to filters



Hydraulic strut for opening

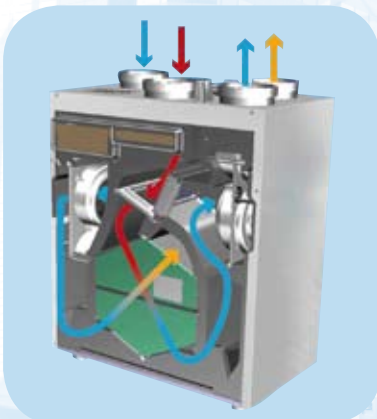


External antenna



Remote controls (1 unit of each within the scope of supply). Additional remote controls can be ordered as accessories.

High-efficiency heat exchanger up to 92%



Easy maintenance



Alternative fitting



HORIZONTAL:
On the floor
Fitted lying down



VERTICAL:
On the wall or floor

Easy to access: fans, heat exchanger and by-pass

IDEO 325 ECOWATT

Heat recovery units

■ Kitchen boost



The kitchen boost is a radio frequency remote control providing maximum airflow for 1/2 hour.

■ Programmable control

Multiple functions: Airflow setting, by-pass, clock, etc.

Integrated in IDEO-HE



On the wall



Resting on a surface

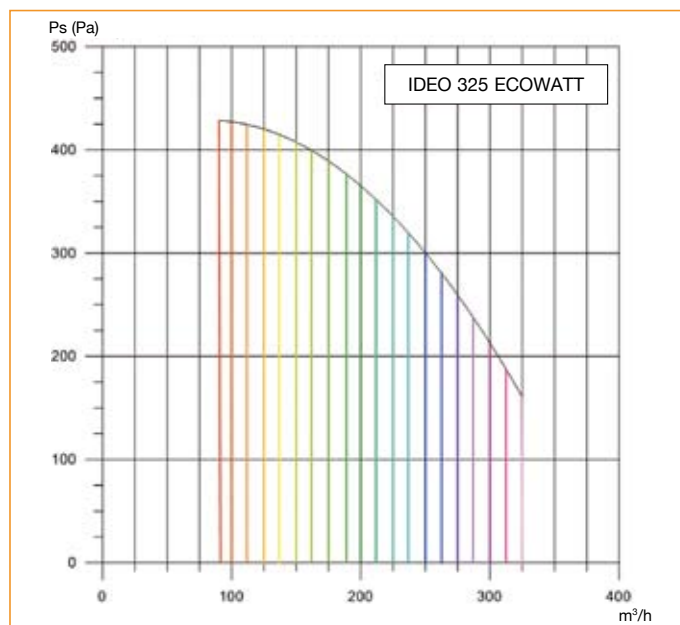


■ Technical characteristics

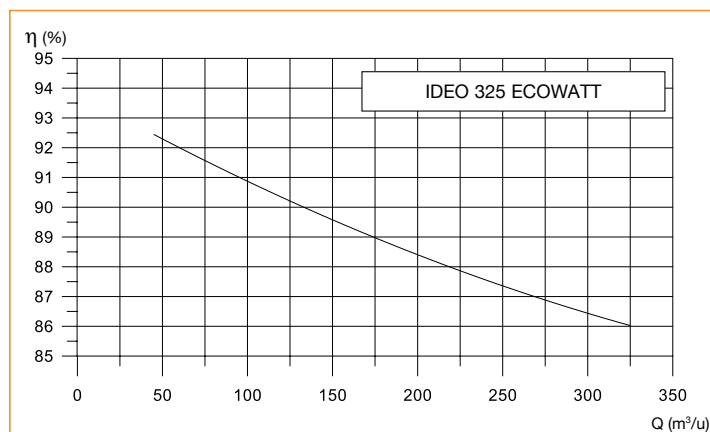
Model	Voltage	Airflow (m ³ /h)		Power (W)		Current (A)		Sound pressure at 3 m (dB(A))		Efficiency		Weight (Kg)
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
IDEO 325 ECOWATT	230	45*	90	21	198	0,1	0,7	22,9	35,5	86	92	45

* Absence mode

■ Characteristic curve

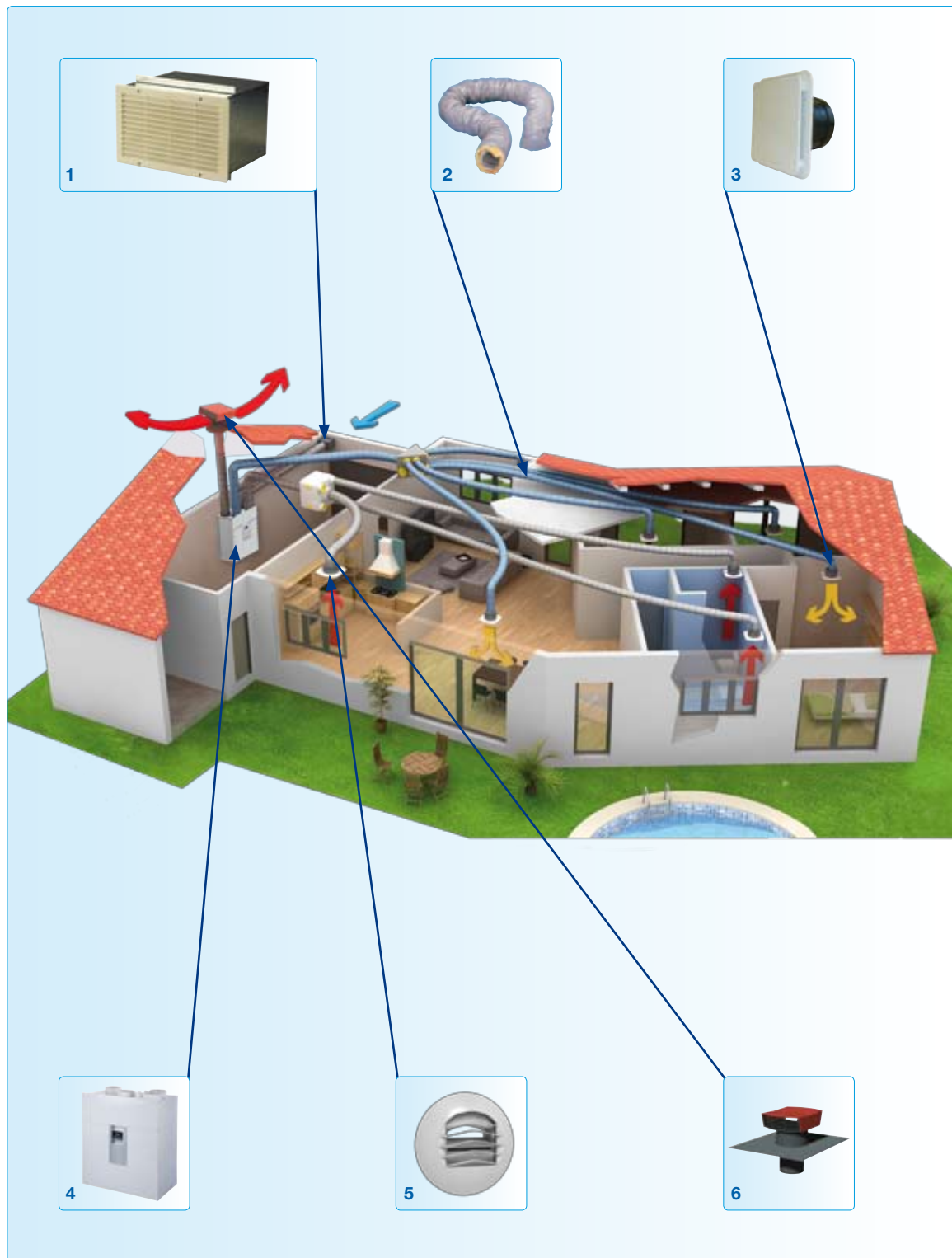


■ Performance curve



IDEO Series

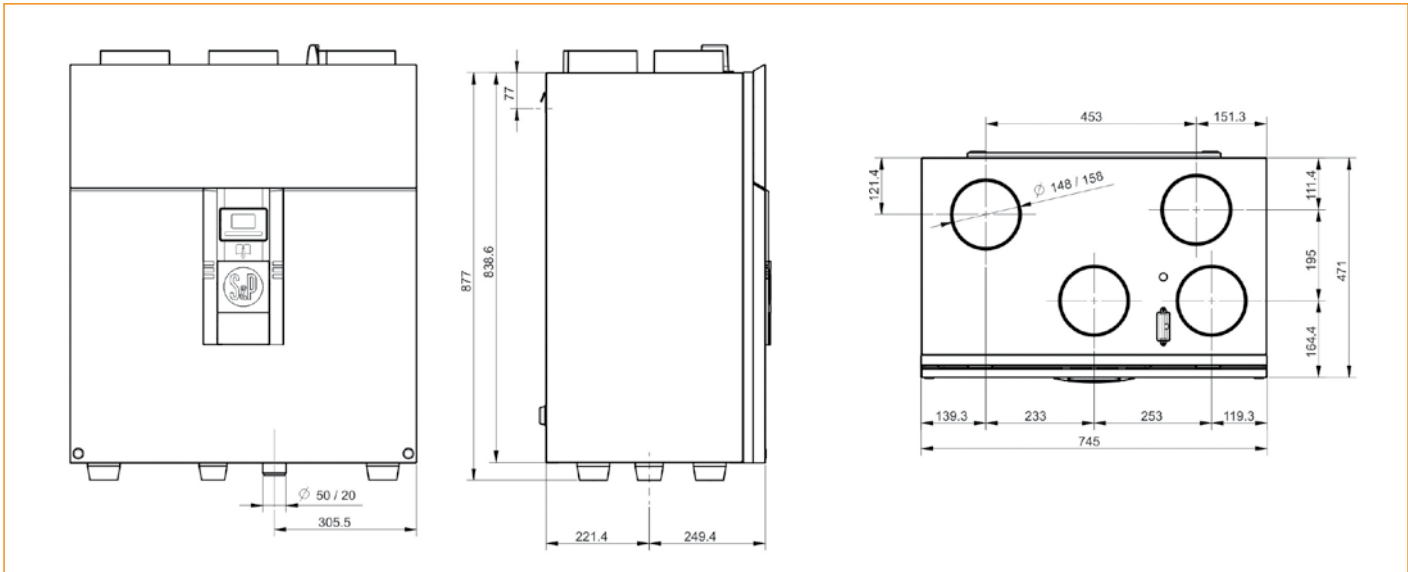
Centralised double flow system



- 1. Wall munted air inlet grille TAP
- 2. Flexible acoustic ducting GP ISO
- 3. Inlets and outlets valves BDOP

- 4. Counter-flow, high-efficiency heat recovery unit IDEO-HE
- 5. Self-adjusting exhaust valves BAR
- 6. Plastic roof terminal cowl CT

■ Dimensions (mm)



■ Accessories

Heat recovery units

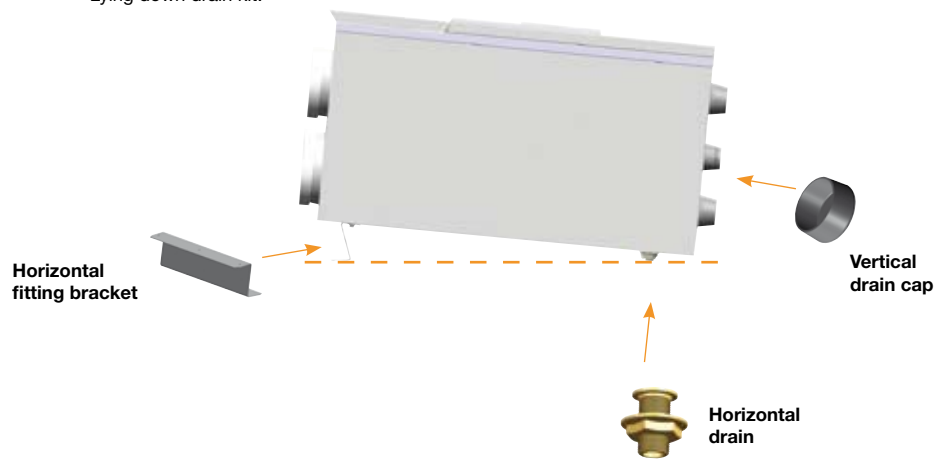
Kit ANT. 200 IDEO

Antenna offering greater coverage. Antenna up to 200 metres in an open space.



Kit H IDEO

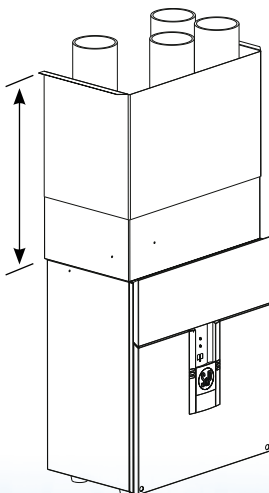
Lying down drain kit.



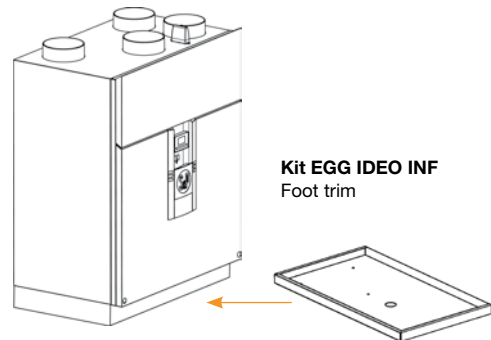
EGG IDEO Kit

Tube trim

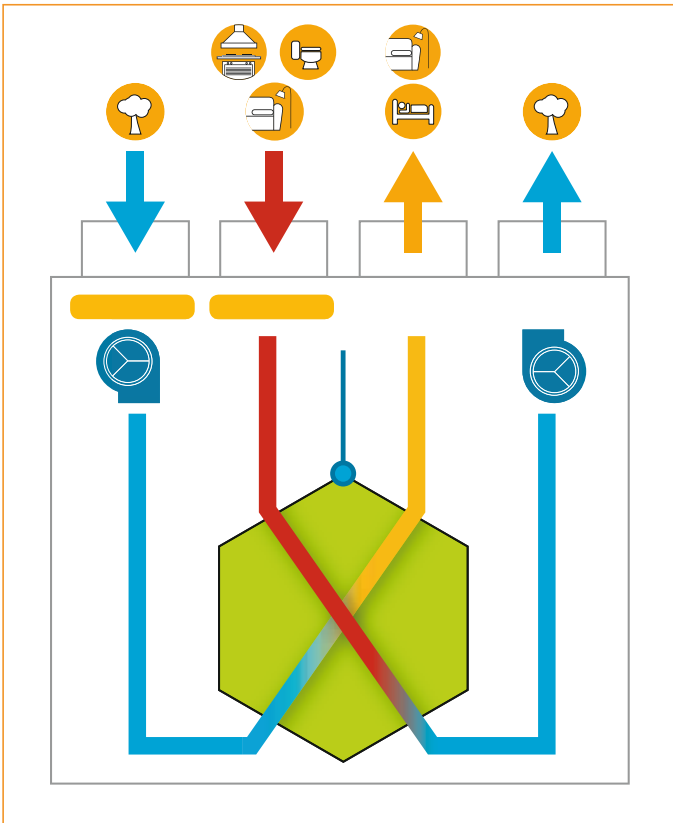
Min. 500 mm
Max. 950 mm



Kit EGG IDEO INF
Foot trim



■ Example of temperature recovery in winter

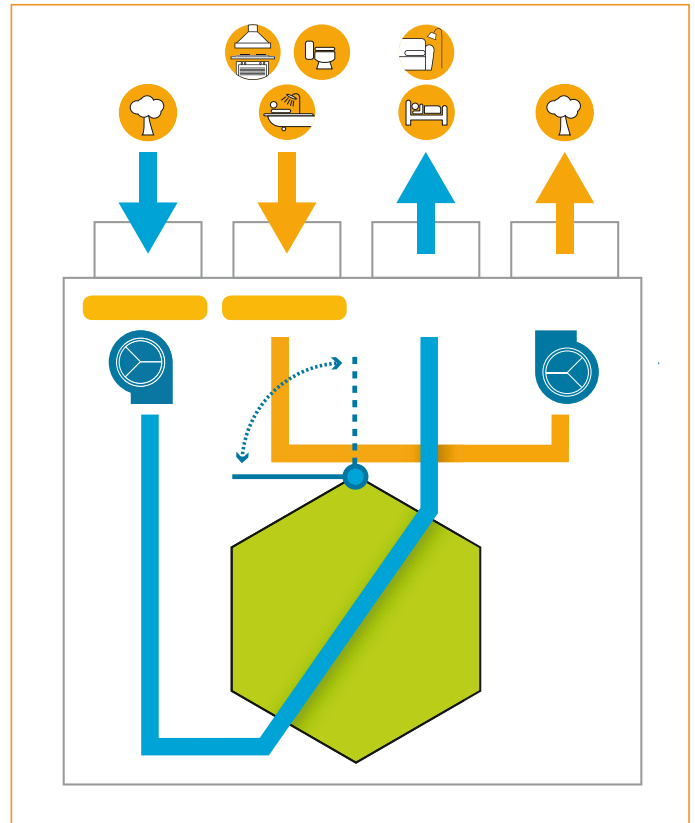


Operation without by-pass

- Air inside home: 21°C.
- Outdoor air: 2°C.
- New air heated and blown inside the home: 20°C.

With a simple flow system, the new air would enter at 2°C through the air inlets, which would lower the interior temperature of the home. With the double flow system, the new air would enter at 20°C.

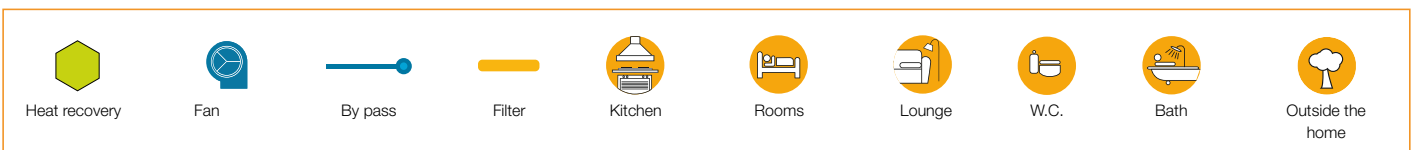
■ Example of recovery of temperatures in summer during the night (free cooling)



Operation with by-pass

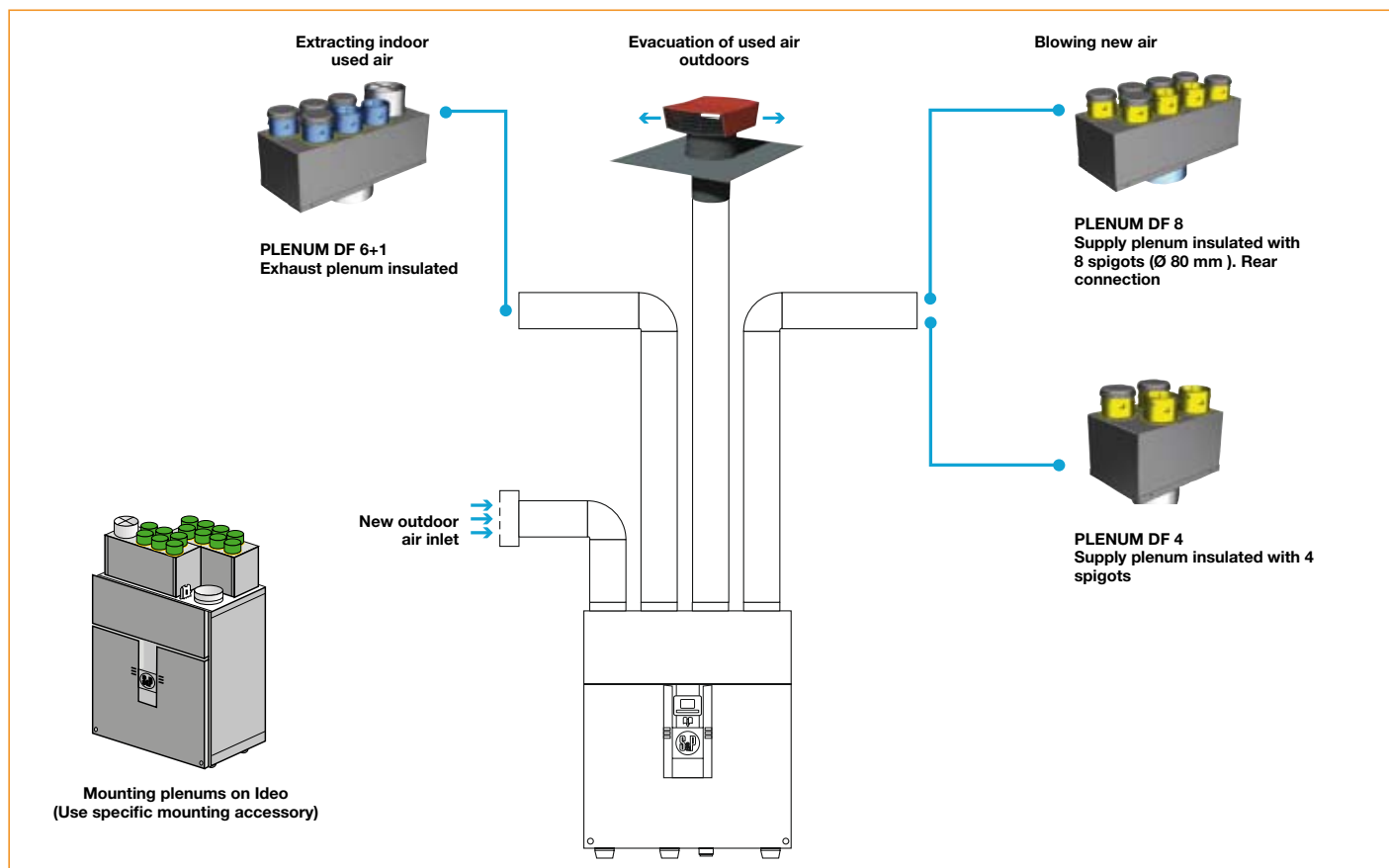
- Air inside home: 28°C.
- Outdoor air: 21°C.
- New air heated and blown inside the home: 21°C.

In addition, during the summer nights, when the outdoor air is colder than the indoor air, the air does not pass through the exchanger, the by-pass is activated automatically and air goes directly into the home.



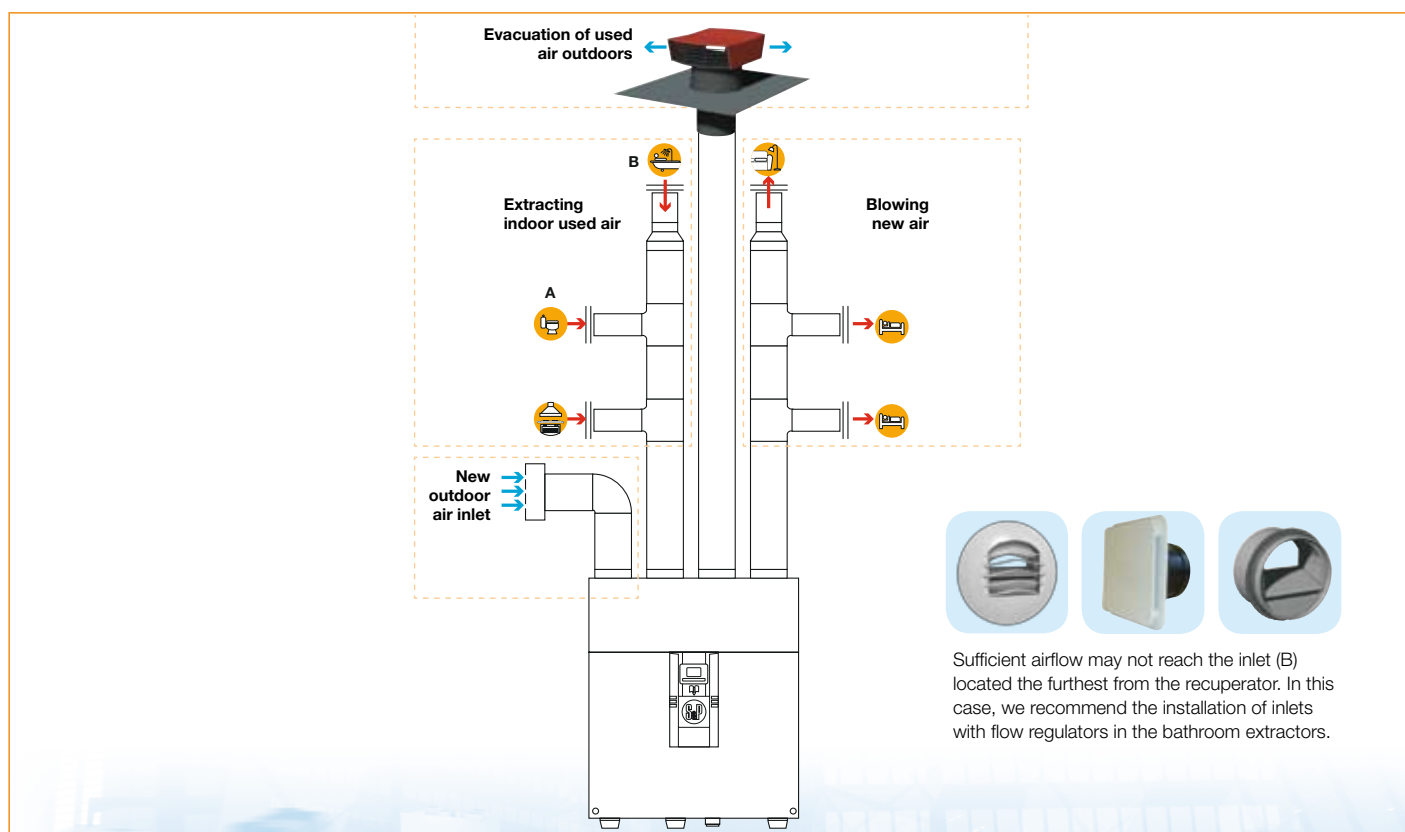
■ Example of fitting: distribution by plenums insulated with 4 or 8 spigots (Ø 80 mm)

The use of plenums facilitates the balancing of the installation.



■ Example of fitting: distribution of by ducts

The use of ducts minimises the space necessary for the installation.

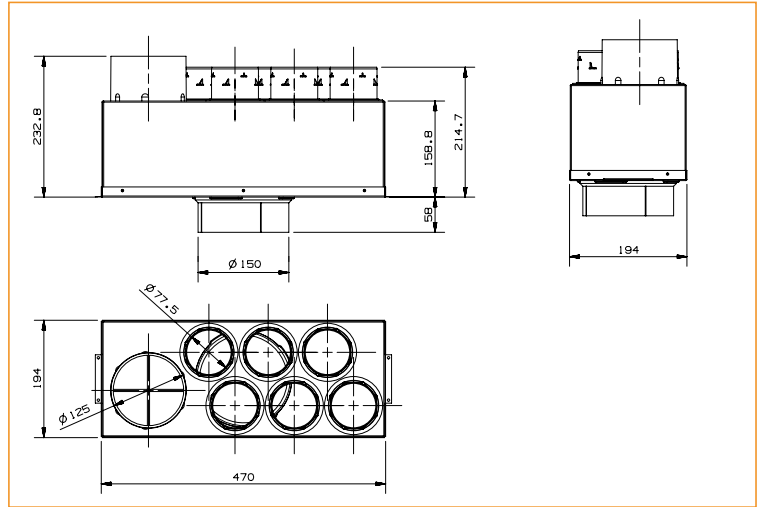


Accessories



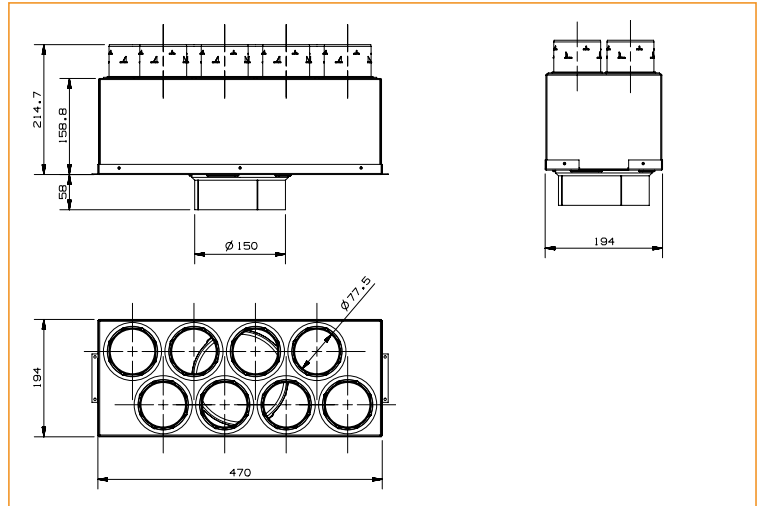
PLENUM DF 6+1

Exhaust plenum insulated with 6 spigots for bathroom / wc use (\varnothing 80 mm) + 1 spigot for kitchen connection (\varnothing 125 mm). Rear connection \varnothing 150 mm.



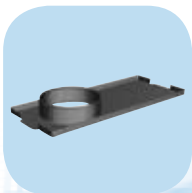
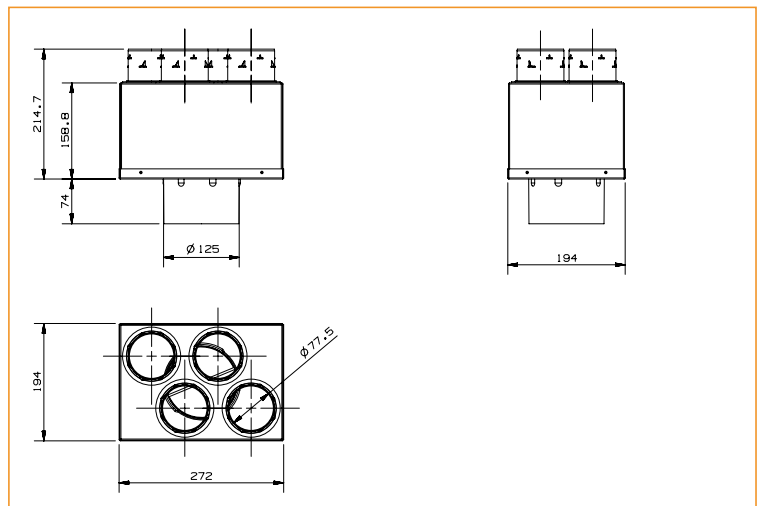
PLENUM DF 8

Supply plenum insulated with 8 spigots (\varnothing 80 mm). Rear connection \varnothing 150 mm.



PLENUM DF 4

Supply plenum insulated with 4 spigots (\varnothing 80 mm). Rear connection \varnothing 150 mm.



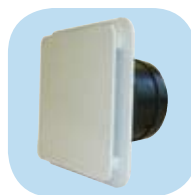
IDEO MOUNTING ACCESSORY

Allows mounting of plenums 6 +1P and 8P directly onto Ideo.

■ Mounting accessories



BAR
Self-adjusting
calibrated outlets.



BDOP
Inlets and outlets



RD
Airflow calibrated
regulator for BDOP



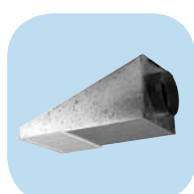
GPRISO
Insulated rigid duct
Ø125, 150 and 160 mm



**GP/GP PRO/
GPC/GPX/GPI**
PVC ducts
Ø80 and 125



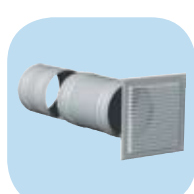
Tub Pla
Self-extinguishing
rectangular ducts
40 x 110 mm = Ø 80 mm
55 x 110 mm = Ø 100 mm
55 x 220 mm = Ø 125 mm



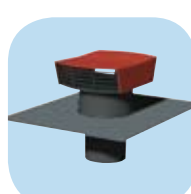
TAT
Air inlet grille under
roof Ø150



TAP
Wall munted air inlet
grille Ø150 mm



PAF
Wall outlet grille
Ø125, 150 or 160 mm



CT
Roof cowl Ø125,
150 or 160 mm

■ Electrical accessories



HIG-2
Humidity sensor



SQA
Air quality sensor