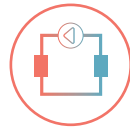


Smart H



COP 4.79 / -7°C



EC FAN

BENEFITS

Thermodynamic double-flow AHU

Cooling or active cooling

Dehumidification

Tertiary adjusted ventilation with VOC detector and hygrometry

Automatic heating / cooling switch (change over)

Flat design (it can be assembled on a false ceiling)

Principle

Ventilate, heat, cool. Smart H is a AHU (Air Handling Unit) providing thermodynamic energy recovery and adapted to your project in the tertiary sector.

Application

- Ⓣ Decentralised AHU for tertiary environments up to 30 people
- Ⓜ House (new or renovation)

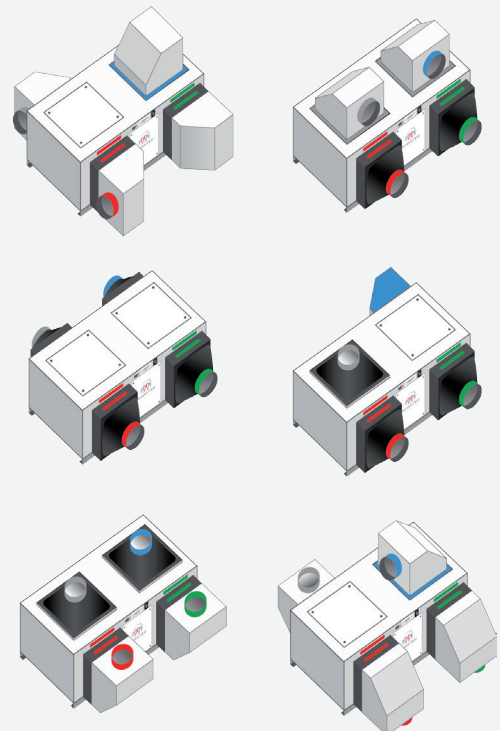
Set-up

- In an insulated plant room
- Condensation to be predicted
- Insulated air supply pipes (min. 25mm)
- Insulated extraction pipes (min. 25mm)
- Insulated pipes for release / fresh air 25mm or 50mm
- Electricity: power supply 230V - 50Hz (2.5mm²)
- Connection: 4 cables 0.5mm² max.

Description

- Automatic set-up
- Compact single block without external units
- White pre-lacquered aluminium finish 20/10
- Heat and sound insulation
- Heat pump on exhaust air, built-in
- Rotary compressor, French
- Low-consumption fans (EC ERF 2015)
- Adjustable ventilation output
- Device pre-loaded with R407C gas
- Maintenance at the front
- Wall stand with assembly instructions


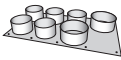

Air supply configurations available



Range

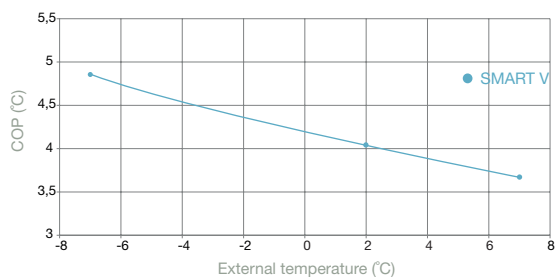
DESIGNATION	DESCRIPTION
MyDATEC Smart 200V unit KIT	VMC thermodynamic double flow Heating 5.1kW (of which 3.2kW for the upper heater) Cooling 1.78kW (free cooling or active) Hot air distribution (burner, mezzanine) Touch control - see page 16

Options

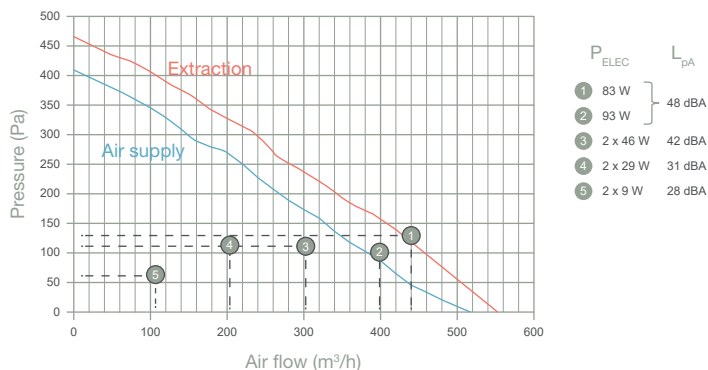
DESIGNATION		DESCRIPTION
Dual zone		Management independent of the living area and the night area (ideal for houses larger than 160m ²)
Crossing of the ceiling		Aesthetically pleasing duct connection and seal for crossing the ceiling
Duct cover		Telescopic panels (adjustable based on the height of your ceiling) that hide the ducts in a pleasant-looking way

Technical features

System performance coefficient



Smart V fans



	Smart 200V	Smart 300V
COP (+7°C ext. / -7°C ext.) with 20°C inside	3.67 / 4.79	3.55 / 4.79
Heating power supplied at -7°C ext. / 20°C int.	1.9 kW	3.1 kW
Heating pump standard power absorption at +7°C ext. / 20°C int.	0.52 kW	0.87 kW
EER at 35°C ext. / 27°C int.	2.41	2.39
Heating pump cooling power supplied at 35°C ext. / 27°C int.	1.78 kW	2.67 kW
Nominal air flow to be considered for thermal calculations	200 m ³ /h	300 m ³ /h
Maximum air flow configurable (200 Pa)	300 m ³ /h	300 m ³ /h
Average intensity absorbed	2.3 A	3.8 A
Maximum power of additional heaters	3.2 kW	
Power supply	230 V - 50 Hz	
Recommended protection	10A curve D	
Filtering	G4 (see page 20)	
Refrigerant fluid	R 407 C	
Mass of refrigerant fluid	900 g	
Unit weight	63 kG	