

Smart+ V



COP 4.1 / -7°C



84% to 100m³/h



EC FAN



Principle

Heat up, ventilate, cool down ... with optimal comfort. Smart+ V is a double-flow CMV system combining static and thermodynamic energy recovery at the same time.

Application

(H) For Houses - New, RT2012 and passive

Set-up

- In an insulated plant room
- Condensation discharge
- 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
- High-performance counter current static exchanger without VOC, French
- Heat pump on exhaust air, built-in
- Rotary compressor, French
- Low-consumption fans (EC ERP 2015)
- Adjustable ventilation output
- Device pre-loaded with R407C gas
- Maintenance at the front

BENEFITS

Combination of thermodynamic and static double flow

Active or free cooling

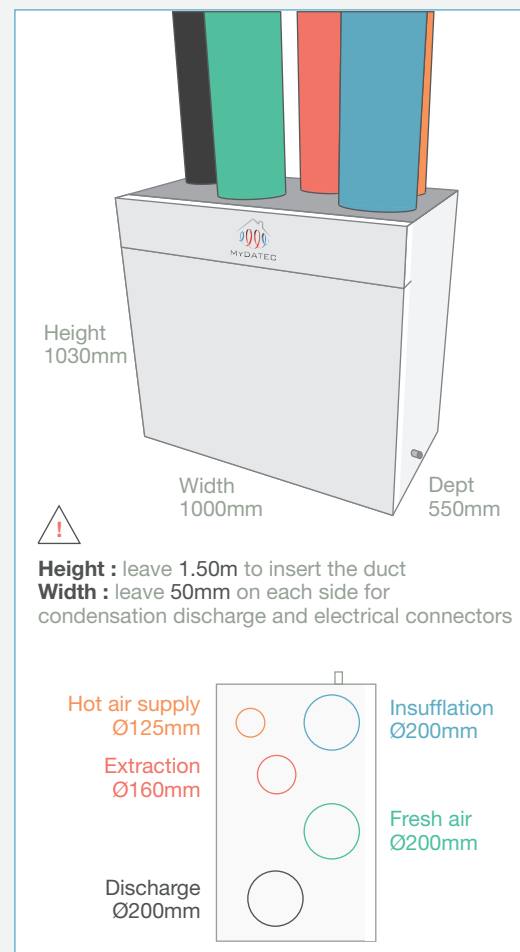
Hot air redistribution (wood stoves...)

Air quality (Filtering) / Reactive system

COMPLIANCE

Title V MyDATEC / Label RT2012 -20%
Static exchanger certified by Terra Environnement


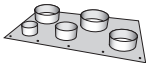

Size (mm)



Range

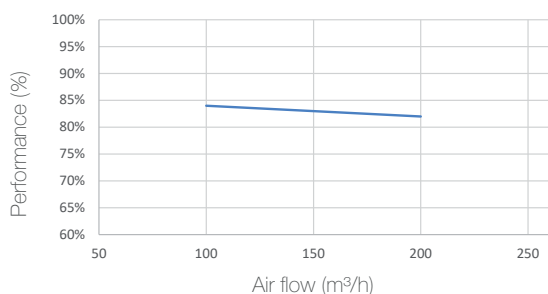
DESIGNATION	DESCRIPTION
MyDATEC Smart+ 200V unit KIT	Static and thermodynamic double flow CMV Heating 5kW (of which 3.2kW for the upper heater) Cooling 1.75kW (free cooling or active) Hot air distribution (burner, mezzanine) Touch control - see page 16
MyDATEC Smart+ 300V unit KIT	Available during the 3rd quarter of 2017

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

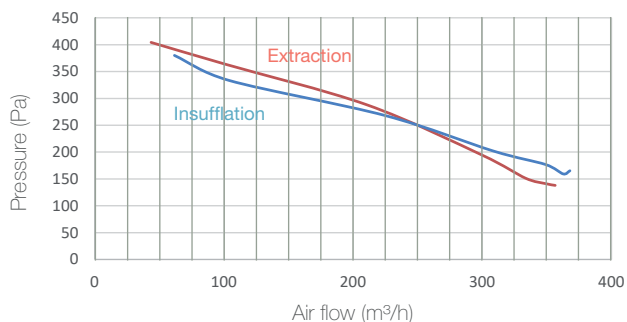
Performance of the static exchanger



	100m ³ /h	200m ³ /h
Thermal performance (%)	84	82

Testing conditions : Temperature of fresh air = 7°C / Temperature of extracted air = 20°C

Smart+ V fans



	Smart+ 200V	Smart+ 300V
COP (+7°C ext. / -7°C ext.) with 20°C inside	3.27 / 4.14	Available in 2017
Heating power supplied at -7°C ext. / 20°C int.	1.8 kW	
Heating pump standard power absorption at +7°C ext. / 20°C int.	0.56 kW	
EER at 35°C ext. / 27°C int.	2.16	
Heating pump cooling power supplied at 35°C ext. / 27°C int	1.75 kW	
Nominal air flow to be considered for thermal calculations	200 m ³ /h	
Maximum air flow configurable (200 Pa)	300 m ³ /h	
Average intensity absorbed	2.3 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	92 kG	