

Heat recovery ventilation unit

11027109

InspirAIR® Top 450 Premium kit

The connected heat recovery ventilation solution that efficiently filters out the smallest pollutants and adapts to your needs.



InspirAIR Top 450 Premium



Remote control InspirAIR

PRODUCT BENEFITS

- for air quality: high performance filtration and customised filter recommendations,
- for performance: a complete system offering with thermal and electrical performance benchmarks in the market,
- for connectivity: a complete user experience with AldesConnect®.

Principles of operation

General and permanent ventilation of dwelling with heat recovery on exhaust air to pre-heat incoming air. This air is purified by custom filters that ensure healthy air in the dwelling.

Product description

Connected heat recovery ventilation solution for efficient elimination of the smallest pollutants, adapts to user requirements.

Fields of application

Multi-occupancy residential housing, Individual residential housing, New, Refurbishment

Installation

- cradle attachment or with attachment feet (sold as accessories),
- easy to reverse airflows,
- mandatory condensate connections using the drain kit sold as an accessory (except for kit references)
- start-up and adjustment using the InspirAIR wired remote control supplied (except for kit references)
- compact dimensions for easy integration in a standard cupboard.

Reference arguments

Connected heat recovery ventilation solution for efficient elimination of the smallest pollutants, adapts to user requirements.

Main characteristics:

- Unit certified NF Auto 205 and eligible for MaPrim'Rénove grant and other Energy Efficiency Certificates in France.
- material:
 - PPE body, metal plates.
- configuration:
 - 4 x Ø 160 mm connections on top of machine.
- airflow:
 - 450 m³/h.
- compact dimensions:
 - 560 x 560 x 1088 mm.
- custom filter recommendations (modern accessory extra),
- exclusive radon mode,
- InspirAIR® siphon and wired remote control kit supplied.

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Main characteristics

- material:
 - PPE body and metal panels,
- configuration:
 - 4 x Ø 160 mm connections on top of machine,
- two airflow settings:
 - 300 m³/h,
 - 450 m³/h.
- compact dimensions:
 - 560 x 560 x 1088 mm,
- condition indicator light,
- personalised filter recommendations,
- exclusive radon mode,
- model available with enthalpy heat exchanger.

Accessories

Désignations	References
USB RS485 LINK CABLE 1.8 M INSPIRAIR	11023320
Floor installation kit InspirAIR® Top	11023484
Ceiling penet InspirAIR® Top	11023485
Internal pre-heating InspirAIR® Top	11023486
External post-heating coil 300W InspirAIR® Top	11023487

Consumables

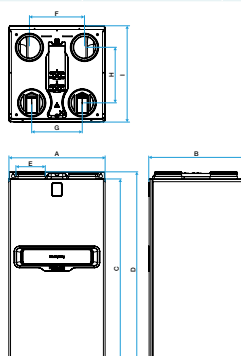
Désignations	References
Filter kit InspirAIR® Top 450 premium	11027103

General data

References	Available filters	Type of motor
11027109	> pollen: - Coarse 65 % > particles: - ePM10 50% > fine particles: - ePM1 0 85% - ePM2.5 65% > bacteria:- ePM2.5 95% - ePM1 80%> VOC: - ePM10 85% - ePM2.5 65%.	EC

Dimensional data

References	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
11027109	560	560	1045	1088	160	320	294	323	560	560



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Airflow data

References	Airflow at max. speed (m ³ /h)
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Thermal data

References	Exchanger performance (%)
11027109	94

Electrical datas

References	Frequency (Hz)	Protection rating	Max. current (A)	Weighted electrical power (W-Th-C)	Voltage (V)	Max. power
11027109	50/60	IP65, IP67	2,5	83.5	230	350

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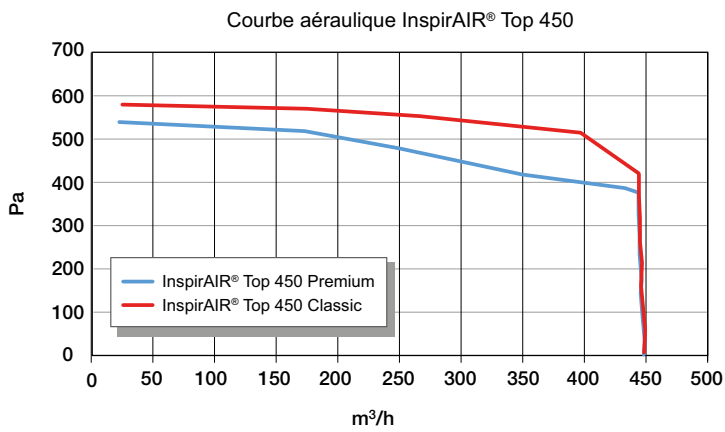
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Regulatory data

References	Ventilation energy class – Average climate
11027109	A

Curve



> Test conditions:

- Outdoor air = dry air at 5°C, Hr <20%.
- Indoor air = dry air at 25°C, HR < 20%. (EN 13141-7 and EN 308)

P (mm)	Rated Ø duct (mm)	Weight (kg)	Empty weight (kg)
560	160	41	41