

Heat recovery ventilation unit

11023497

InspirAIR® Top 450 Classic kit

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



InspirAIR Top 450 Classic



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,

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

Heat recovery ventilation solution for efficient elimination of the smallest pollutants, adapts to user requirements. Connectivity available using AldesConnect® Box modem sold as an accessory.

Fields of application

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

Installation

- Attached using 2 wall bars provided or using feet sold as accessories,
- easy to invert airflows when installing the unit,
- 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 and air purification solution for efficient elimination of the smallest pollutants, adapts to user requirements.

Main characteristics:

- material:
 - PPE body and metal panels,
- configuration:
 - 4 x Ø 160 mm connections on top of machine.
- airflow:
 - 450 m³/h.
- compact dimensions:
 - 560 x 560 x 1088 mm
- recommendations for custom filters (with modem as accessory)
- exclusive radon mode
- wired InspirAIR remote control included

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Main characteristics

- Materials:
 - PPE body and metal panels,
- Connection:
 - 4 x Ø 160 mm connections on top of machine.
- Airflow range:
 - 60 to 300 m³/h,
 - 90 to 450 m³/h.
- Compact dimensions:
 - 560 x 560 x 1088 mm
- Recommendations for custom filters (with modem as accessory)
- Exclusive radon mode
- Connectivity:
 - AldesConnect® Box modem available as an accessory to control the unit from the AldesConnect® smartphone app
 - Commissioning and maintenance with Aldes Configurator
- Control:
 - 4 speeds available (Holidays, Auto, Push-button, Boost)
 - Automatic 100% bypass

Accessories

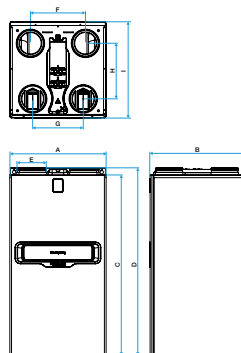
Désignations	References
USB RS485 LINK CABLE 1.8 M INSPIRAIR	11023320
Pressure board kit InspirAIR® Top	11023498

General data

References	Available filters	Type of exchanger	Type of motor
11023497	> 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%.	Sensitive	EC

Dimensional data

References	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Weight (kg)
11023497	560	560	1045	1088	160	320	294	323	560	28



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Airflow data

References	Airflow at max. speed (m³/h)
11023497	450

Electrical datas

References	Frequency (Hz)	Protection rating	Max. current (A)	Voltage (V)	Max. power
11023497	50/60	IP65, IP67	2,5	230	350

Regulatory data

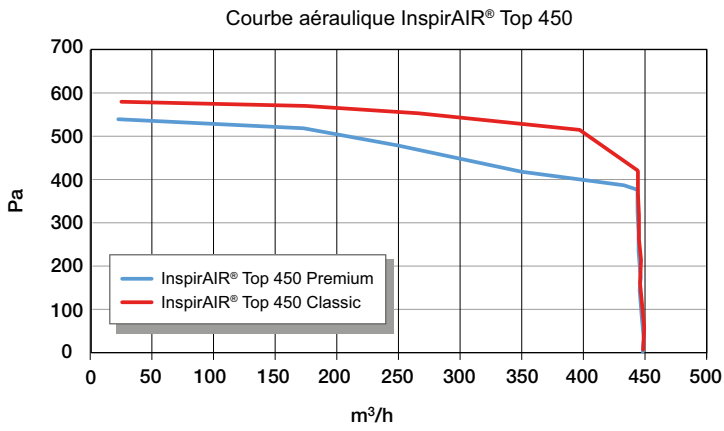
References	Ventilation energy class – Average climate
11023497	A

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Curve



> Test conditions:

- Indoor air = dry air at 5 °C, HR < 20 %.

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

Courbe aéraulique InspirAIR® Top 450