

Heat recovery ventilation unit

11023475

InspirAIR® Top 450 Classic

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



InspirAIR Top 450 Classic

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, 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 (modem accessory extra),
- exclusive radon mode.

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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
BUS pre-heating coil 1.5 kW for DEE FLY and InspirAIR®	11023225
InspirAIR® Top remote control	11023479
Remote control InspirAIR® CO2	11023480
External post-heating coil 300W InspirAIR® Top	11023487
Siphon kit InspirAIR® Top	11023483
Floor installation kit InspirAIR® Top	11023484
Ceiling penet InspirAIR® Top	11023485
Internal pre-heating InspirAIR® Top	11023486
USB RS485 LINK CABLE 1.8 M INSPIRAIR	11023320
Pressure board kit InspirAIR® Top	11023498

Consumables

Désignations	References
Dust filter InspirAIR® Top	11023490
Pollen filter InspirAIR® Top	11023491
Particle filter InspirAIR® Top	11023492
Fine particle filter InspirAIR® Top	11023493
Bacteria filter InspirAIR® Top	11023494
Particle + VOC filter InspirAIR® Top	11023495
Filter kit InspirAIR® Top 300 Classic	11027100
Filter kit InspirAIR® Top 300 premium	11027101
Filter kit InspirAIR® Top 450 Classic	11027102
Filter kit InspirAIR® Top 450 premium	11027103

General data

References	Available filters	Type of exchanger	Type of motor
11023475	> 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

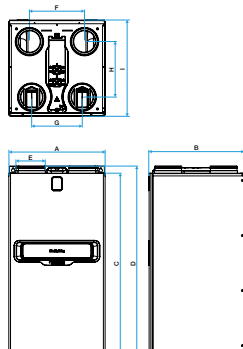
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Dimensional data

References	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Weight (kg)
11023475	560	560	1045	1088	160	320	294	323	560	28



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Airflow data

References	Airflow at max. speed (m³/h)
11023475	450

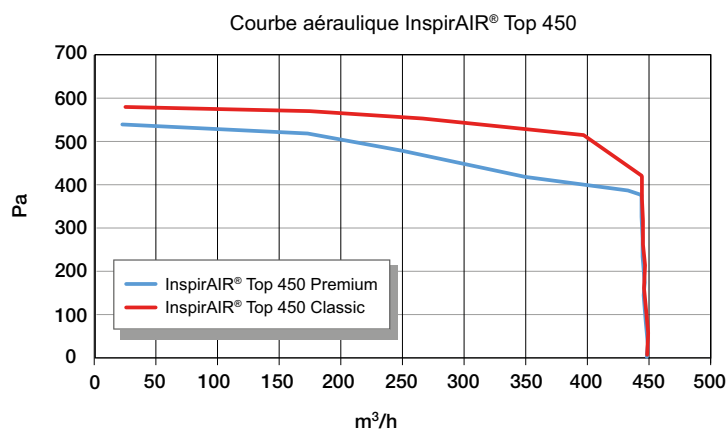
Electrical datas

References	Frequency (Hz)	Protection rating	Max. current (A)	Voltage (V)	Max. power
11023475	50/60	IP65, IP67	2,5	230	350

Regulatory data

References	Ventilation energy class – Average climate
11023475	A

Curve



> Test conditions:

- Indoor air = dry air at 5 °C, HR < 20 %.
- Indoor air = dry air at 25°C, HR <20%. (EN13141-7 and EN308)

Courbe aéraulique InspirAIR® Top 450