

Ventilation box fan

11034851

EasyVEC® C4 MICRO-WATT + 700 IP with choice of options

The patented, smart and connected range of box fans for even higher performance.

PRODUCT BENEFITS

- wide range from 300 to 12,000 m³/h,
- Up to -15% savings on building heating costs compared to Standard unit,
- 100% recyclable.

REGLEMENTATIONS AND COMPLIANCES

Technical Opinion no.: 14.5/17-2267_V3 ; 14.5/16-2185_V2

Principles of operation

EasyVEC® C4 ventilates multi-occupancy residential buildings to ensure correct air quality in dwellings and preserve the building structure.

Product description

EasyVEC® C4 MICRO-WATT + ventilates multi-occupancy residential buildings to ensure correct air quality in dwellings and preserve the building structure. Combined with the T.Flow® Hygro+ / Nano domestic hot water production solution, the heat calories naturally present in air extracted from the dwelling are exchanged and used as a heat source to heat the water.

The Aldes MICRO-WATT + patented controller automatically creates a custom regulation profile (Auto-Adaptative Technology) to adjust the pressure delivered by the box fan to the actual needs of the system. This means the ventilation adjusts precisely to needs and generates significant savings on heating costs.

With AldesConnect™ Pro, you can monitor the box fan remotely for greater responsiveness in handling breakdowns and malfunctions.

Fields of application

Multi-occupancy residential housing, New, Refurbishment

Installation

- installation:
 - on anti-vibration slab as per DTU 68.3 recommendations,,
 - indoor or outdoor location,
 - sufficient space must be left in front of the box fan to avoid obstructing the access panel and allow maintenance of internal components.
 - for roof installation, preferably positioned out of the wind to limit pressure losses at the outlet.
- For better acoustic and aeraulic performances, we recommend that you:
 - install sound attenuators at the unit connections,
 - use the ALDES VIRTUO-FIX range of sealed accessories,
 - use MS PRO sealed flexible sleeves to muffle ductwork vibrations.

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Main characteristics

- Micro-watt+ control and patented Aldes Auto-Adaptive Technology™ software to adapt the pressure delivered by the unit to the actual needs of the system,
- 3 other additional control modes:
 - MICRO- WATT at constant pressure,
 - via external 0-10V probe (e.g. CO2 sensor),
 - constant airflow.
- EC motor with very low power consumption (50/60 Hz),
- backward curve impeller,
- unit made of galvanised steel Z275,
- simple and intuitive EasyVEC® remote control,
- proximity switch as standard,
- humidity-controlled or pre-configured T.Flow control mode
- compatible with all types of ductwork, even with junctions,
- central system: savings on maintenance,
- alarm relay available by wiring to the PCB,
- Modbus RS485 as standard
- multiple options and accessories:
 - fixed pressure switch 80 Pa for GAS CMEV,
 - ducted discharge,
 - 25 mm dual-wall acoustic insulation,
 - Modbus RS485,
 - AldesConnect™ Pro.
- made in France.

Supplementary characteristics

- certification C4 Ø160,
- compatible with «Bahia» humidity-controlled ventilation technical approval no. 14.5/17-2267,
- ESC-eligible: BAR-TH-127.

Accessories

Désignations	References
Pressure switch kit EasyVEC® 80 Pa	11056439
Modbus Card EasyVEC®	11034400
Insulating feet EasyVEC®(pack of 4)	11034434
M0 outlet sleeve + EasyVEC® connector T2 Ø 250 mm	11025081
MS Pro M0 Ø250 mm	11094693
Aldes ConnectPro® Box Pro	11034920

Associated services

Commissioning

General data

References	Type of motor
11034851	EC

Dimensional data

References	EA1 (mm)	EA2 (mm)	ER1 (mm)	HP (mm)	HT (mm)	L (mm)	M (mm)	P (mm)	PT (mm)	S (mm)
11034851	230	176	268	35	371	352	65	562	594	406

Airflow data

References	Airflow (m³/h)
11034851	700

Electrical datas

References	Protection rating	Maximum current (A)	Maximum power (W)	Power supply	Max. power
11034851	IP24	1.3	164	Single-phase	164

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> Aeraulic curves drawn up as per standard NF EN ISO 5801.

> P (Pa) = static pressure.

> P (W) = power consumption.

Y (mm)	Z (mm)	Ø (mm)	Weight (kg)
390	369	250	16