

## Ventilation box fan

11034861

## EasyVEC® C4 MICRO-WATT + 10000 IP with choice of options

The best-designed range of exhaust box fans on the market, making ventilation efficient, serene, and easy.



## PRODUCT BENEFITS

- wide range from 5,000 to 12,000 m<sup>3</sup>/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. AldesConnect® Pro can remotely monitor the fan unit 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.

## Reference arguments

- Application:
  - C4 very low consumption centralised unidirectional extractor fan for CMEV system,
  - new builds and refurbishment,
  - Aldes Auto-Adaptative Technology™ Micro-watt+ controller for pressure control,
  - attic / equipment room / flat roofs,
  - indoor / outdoor.
- Description:
  - EasyVEC® C4 very low consumption Micro-Watt+ extractor fan unit (C4 certification: 400 °C - 1/2 hour),
  - easy to select: Selector poWair® and Conceptor Ventilation design software,
  - easy to configure via intuitive interface,
  - easy to service: link to documentation via QR code, single access panel, compatible with AldesConnect™ Pro supervision service (optional),
  - very low power consumption.

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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,
- multiple options and accessories:
  - fixed pressure switch 80 Pa for GAS CMEV,
  - ducted discharge,
  - 25 mm dual-wall acoustic insulation,
  - compatible with 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	Variants
Circuit breaker 11A - 16A	11057056
EasyVEC® plenum plug T8 Ø 710 mm	11034495
EasyVEC® connector T8 Ø 710 mm	11034447

#### Options

base
ARRGT1
ARRGT2
BACNET
CONNECT
EXPORT
FIXE
ISOLA
MODBUS
REGLABLE

#### Associated services

Commissioning

#### General data

Variants	Type of motor
11034861	EC

#### Dimensional data

Variants	EA1 (mm)	EA2 (mm)	ER1 (mm)	H (mm)	HP (mm)	HT (mm)	L (mm)	LT (mm)	M (mm)	P (mm)
11034861	552	394	522	1015	118	1183	908	1006	50	1420

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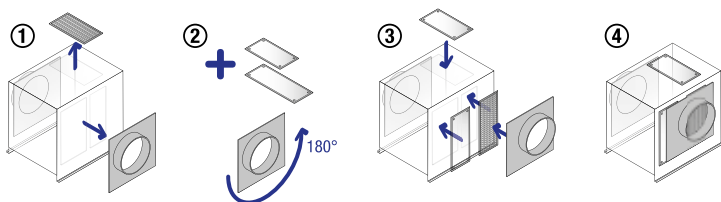
**Airflow data**

Variants	Airflow (m³/h)
11034861	10000

**Electrical datas**

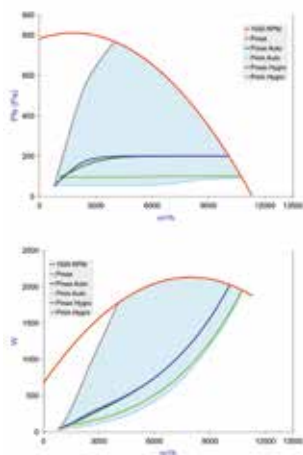
Variants	Protection rating	Maximum current (A)	Maximum power (W)	Power supply	Max. power	Max. power
11034861	IP24	15,7	2200	Single-phase	2,2	2200

**Installation**



EasyVEC

**Curve**



- > Aeraulic curves drawn up as per standard NF EN ISO 5801.
- > P (Pa) = static pressure.
- > P (W) = power consumption.

S (mm)	Y (mm)	Z (mm)	Ø (mm)	Weight (kg)
961	937	1392	710	195