

CO2 sensor

11034081

## EasyVEC® MICRO-WATT 12000 IP IHM CIRC STR Insulated

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



## PRODUCT BENEFITS

- wide range from 4000 to 12,000 m<sup>3</sup>/h,
- up to 30% less electricity consumed in relation to a Standard unit,
- 100% recyclable.

## REGULATIONS AND COMPLIANCES

Technical Opinion no.: 14.5/16-2185\_V2

## Principles of operation

EasyVEC® Micro-watt delivers exhaust ventilation in non-residential buildings via air exhaust or supply to ensure sufficient air quality and to preserve the building structure.

## Product description

The Micro-watt constant pressure controller enables significant savings on heating costs compared to a non-regulated (Standard) fan unit. AldesConnect™ Pro can remotely monitor the fan unit for greater responsiveness in handling breakdowns and malfunctions.

## Fields of application

New, Refurbishment, Non-residential buildings

## Installation

- installation:
  - indoor or outdoor location,
  - outdoors: for roof installation, preferably positioned out of the wind to limit pressure losses at the outlet.
- For better acoustic and aeratic 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:
  - centralised, low-consumption unidirectional air supply or exhaust box fan for commercial CMEV system,
  - new builds and refurbishment,
  - air supply /exhaust,
  - Micro-watt controller for pressure control,
  - attic / equipment rooms / flat roofs,
  - indoor / outdoor.
- Description:
  - EasyVEC® Micro-Watt low-consumption exhaust box fan,
  - 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),
  - low power consumption.

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## Main characteristics

- 2 control modes: constant pressure to minimise consumption or via external 0-10V probe,
- EC low-consumption motor (50/60Hz),
- 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:
  - filter box,
  - ISO filter coarse 60%, ePM10 50%, ePM1 50-75%, ePM1 85%,
  - pressure switch,
  - ducted discharge,
  - 25 mm dual-wall acoustic insulation,
  - compatible with Modbus RS485,
  - AldesConnect® Pro.
- made in France.

## Supplementary characteristics

- compatible with Technical Approval for Modulated Ventilation - Presence-Agito-CO2-Hygro no. 14.5/16-2185\_V1,
- ErP 2018,
- ECS-eligible: BAT-TH-112, BAT-TH-125, BAT-EQ-123.

## Accessories

Description	Variants
Thermal-magnetic circuit breaker 20A-25A	11057057
Duct sensor +25/+90°C	11090900
Airflow control kit (20-300 Pa)	11090901
Duct sensor -10/+35°C	11090902
Female rain hood + screen Ø 710 mm	11056410
OCTA D710 sealed	11094647
MS PRO V2 D710	11094663

## Filters

Description	Variants
G4 filter EasyVEC® 10000/12000	11034411
M5 filter EasyVEC® 10000/12000	11034414
F7 filter EasyVEC® 10000/12000	11034425
F9 filter EasyVEC® 10000/12000	11034428

## Associated services

Commissioning

## General data

Variants	Type of motor
11034081	EC

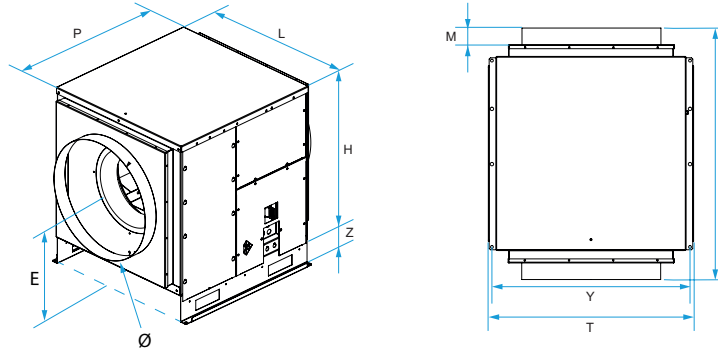
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### Dimensional data

Variants	E (mm)	F (mm)	H (mm)	L (mm)	M (mm)	P (mm)	T (mm)	Y (mm)	Z (mm)	Ø (mm)
11034081	575	1155	905	910	60	945	960	940	115	710



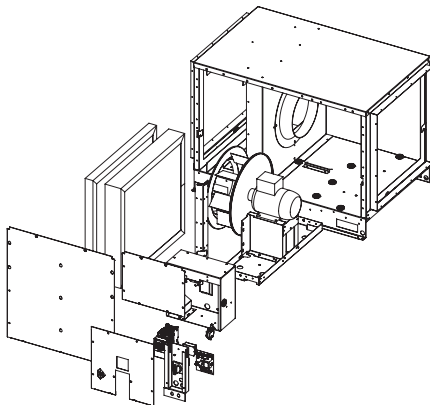
### Airflow data

Variants	Airflow (m³/h)
11034081	12000

### Electrical datas

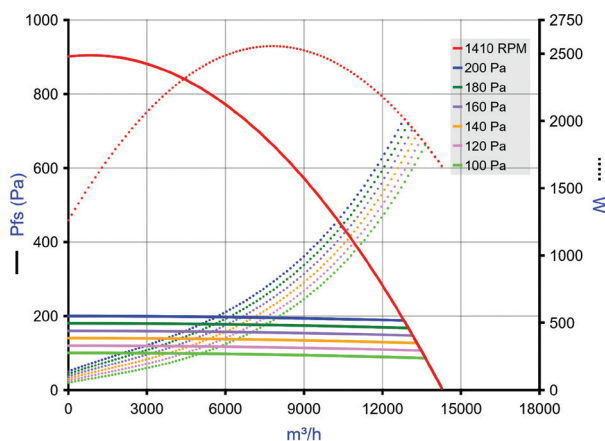
Variants	Maximum power (W)	Max. power	Max. power	Protection rating	Maximum current (A)	Power supply
11034081	3200	3,2	3200	IP24	20,5	Single-phase

### Principles of operation



EasyVEC-MWPlus-12000

### Curve



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