

CMEV air handling unit

11058137

VEX308 Std (surface-mounted unit)

The VEX 308 is a ready-to-use, decentralised air handling solution, ideal for refurbishment applications.



PRODUCT BENEFITS

- simple and easy installation – plug & play with motion, RH and CO2 sensor,
- integrated heating coils available,
- developed in accordance with hygiene standard VDI6022.

Principles of operation

The VEX 308 brings fresh, filtered air into the building and recovers heat from exhaust air using its high-efficiency heat exchanger. The incoming air can be heated and/or cooled using a comprehensive range of coils.

Product description

The VEX 308 is a decentralised air handling unit for schools, offices, etc. A decentralised air handling unit is an ideal solution for refurbishment projects. For optimised integration in the selected space, the VEX 308 offers a version for semi-integrated installation in a ceiling and also with white, Aluzinc® or grey decorative panel. It is completed with a decorative strip in seven different colours.

Fields of application

New, Refurbishment, Non-residential buildings

Installation

- indoor: in a classroom, office space, etc.,
- ceiling installation (visible or partially integrated (semi-embedded)) or on a wall,
- small ductwork.

Main characteristics

- 1 decentralized model - up to 850m³ / h - in 2 versions:
 - Visible version (STD),
 - Semi-embedded (INT) for installation within a suspended ceiling.
- monobloc construction,
- insulation - 20 mm polyurethane for better sound attenuation,
- external finish: Aluzinc AZ185: corrosion class C4. Customizable in pre-painted white (standard) gold anthracite gray as request,
- vertical fixings for connection via the ceiling, or horizontal fixings for wall connections,
- EC motor with forward curved impeller,
- high efficient counter-flow heat exchangers (Eurovent AAHE),
- modulated bypass,
- ePM10 60% (M5) or ePM1 55% (F7). Pre-supply air filters coarse 60% (G4), as accessory,
- accessories:
 - integrated CO2 sensor,
 - integrated motion detector, incl. LED status indicator - PIR,
 - integrated humidity sensor - HR,
 - webserver communication - WEBE,
 - HMI user interface (for start and commissioning),
- Be aware; if Integrated CO2 sensor and Integrated PIR is selected, the unit is completely plug and play.

Filters

Description	Variants
M5 Filter VEX 308	12900165
F7 Filter VEX 308	12900166

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Associated services

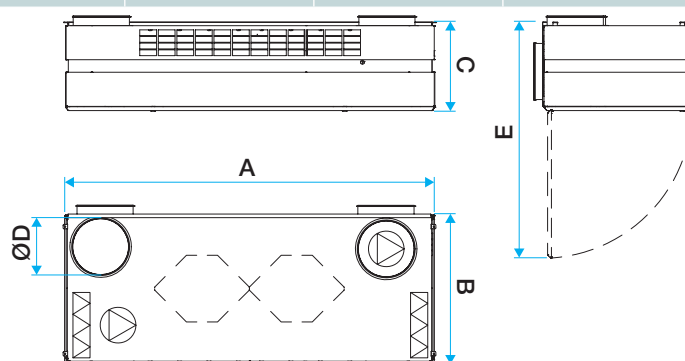
Commissioning

General data

Variants	Insulation density (kg/m ³)	Thickness of insulation (mm)	Available filters	Connection direction	Type of exchanger	Type of motor	Type of impeller
11058137	135	20	ISO ePM10 50% (M5) or ISO ePM1 60% (F7) plan (ask for other types of ISO Coarse 65% (G4) filters and pre-filters).	Ceiling	Counterflow	EC	Forward curve

Dimensional data

Variants	A (mm)	B (mm)	C (mm)	E (mm)	Ø connection (fresh air or exhaust) (mm)	Ø connection (discharge or air supply) (mm)	Weight (kg)
11058137	2072	840	500	1320	315	315	185



Airflow data

Variants	Max. airflow (m ³ /h)
11058137	850

Heat recovery data

Variants	Max. exchanger output (%)
11058137	97

Electrical datas

Variants	Frequency (Hz)	Electrical coil voltage 1	Max. power of electrical coil 1 (kW)	Protection rating	Max. current consumption SINGLE-PHASE 230 V (A)	Max. electrical output of unit (kW)	Unit voltage (V)
11058137	50	230	2.4	IP20	2,5	0,575	230

Curve

Standard (Std): the unit is visible

