

CMEV air handling unit

11059049

Products addressing the need for good indoor learning environment by means of a solid product programme that offers a wide range of options at an affordable cost.



PRODUCT BENEFITS

- High efficient Counterflow heat exchanger made of Aluminium and comply to CH36 fire regulation in FR.
- 25 mm Insulation / thermal and acoustic performance
- Strong internal positioned coil package

Principles of operation

DEXc304 and 308 are both equipped with at AAHE approved heat exchanger that offers a heat recovery up to 85%. Fresh Air is secured by standard ePM1 \geq 70% (F7). Electrical Preheater and Postheater and additional 2 hot water coils is part of the accessory list that we offer. Setting up the control part is easily done with the 2,8" HMI colour touch display. Intuitive user interface in the control makes installation and operation easy (Plug and Play).

Product description

DEXc range contains 2 models that each deliver an outstanding indoor airquality for pupils and secure a good learning environment. The units are a natural fit to a decentral installation site where comfort, filtration, and low noise are important parameters. The units both comply to the fire regulation standard in France (CH36).

Fields of application

Refurbishment, Non-residential buildings, Etablissements scolaires

Installation

DEXc304 & DEXc308 are intended for decentral installation, ultra compact in size and fit where space is scarce. Counterflow heat exchanger, Plug & Play easy installation. The idea is that the products addresses one room and are typically used in Office, restaurants as well as school class rooms.

Main characteristics

- 2 models 500 & 1100 m³/h @ 50 Pa
- Filtration double ePM1 \geq 70% (F7)
- Integrated Bypass / free cooling
- 50 mm Insulation / thermal and acoustic performance
- High efficient Counterflow (up to 85%) heat exchanger made of Aluminium and comply to CH36 fire regulation in FR
- Comprehensive coil programme + sensors.
- Noise level 38 dB(A) @ 1 meter (280 m³/h & 520 m³/h) FR market demand.
- Colour Touch Display 2,8" intuitively user interface

Filters

Variants
11059010
11059009

Associated services

Commissioning

General data

Variants	Insulation density (kg/m ³)	Thickness of insulation (mm)	Type of exchanger	Type of motor	Type of impeller
11059049	70	25	With plates, Sensitive	EC	Backward curve

Dimensional data

Variants	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø connection (mm)	Ø connection (fresh air or exhaust) (mm)
11059049	1605	1350	480	225	1160	315	315

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Airflow data

Variants	Minimum airflow	Max. airflow (m³/h)
11059049	205	1100

Heat recovery data

Variants	Max. exchanger output (%)
11059049	85

Electrical datas

Variants	Voltage (V)	Frequency (Hz)	Electrical coil voltage 1	Voltage of electrical coil 2	Max. power of electrical coil 1 (kW)	Max. power of electrical coil 2	Rated current (A)	Maximum current – unit (A)	Power consumption	Unit voltage (V)
11059049	1x230	50	230	230	1	1	4,4	4,4	1000	230