

## CMEV air handling unit

11059048

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).

## Produktbeskrivelse

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 m<sup>3</sup>/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 m<sup>3</sup>/h & 520 m<sup>3</sup>/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 <sup>3</sup> )	Thickness of insulation (mm)	Connection direction	Type of exchanger	Type of motor	Type of impeller
11059048	70	25	Ceiling	With plates, Sensitive	EC	Backward curve

## Dimensional data

Variants	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø connection (mm)
11059048	1605	1350	480	225	1160	315

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## Airflow data

Variants	Minimum airflow	Max. airflow (m³/h)
11059048	205	1100

## Heat recovery data

Variants	Max. exchanger output (%)
11059048	85

## Electrical datas

Variants	Frequency (Hz)	Rated current (A)	Power consumption	Max. power of electrical coil 1 (kW)	Voltage (V)	Electrical coil voltage 1	Unit voltage (V)	Max. power of electrical coil 2	Voltage of electrical coil 2	Maximum current – unit (A)
11059048	50	4,4	1000	1	1x230	230	230	1	230	4,4