

CMEV air handling unit**11060876****Electric battery CXc307**

The most economical ceiling-suspended unit on the market.



PRODUCT BENEFITS

- Segmentation into 5 sizes and 2 battery versions for a bespoke solution
- An ultra-compact hub for simplified integration in renovations
- Exclusive intelligent control via smartphone

Principles of operation

The CXc300 brings fresh and filtered air into the building and recovers the heat from the extracted air using its high-efficiency heat exchanger. The incoming air can be heated with a full range of integrated electric or ducted hydraulic batteries. The CXc300 unit fits ideally into the room's false ceiling.

Product description

The CXc300 is the ideal solution for false ceiling integration in commercial renovation projects. The CXc300 is an ultra-thin central unit with a counterflow heat exchanger that is Eurovent certified and features integrated control. It is available in two versions: a bare unit or a unit with an integrated electric coil. It is also possible to attach a hydraulic coil in the duct.

Fields of application

New, Refurbishment, Non-residential buildings, Schools

Installation

Indoor installation, horizontal in suspended ceiling or suspended under the ceiling.

Reference arguments

The compact air handling unit CXc300 is the ideal solution for integration into suspended ceilings during tertiary renovation projects. Available in five sizes covering an airflow of up to 2000m³/h, this unit offers a robust construction with aluminium profiles and sandwich panels, featuring 30 mm compressed rock wool insulation.

With circular connections across all sizes and a single-phase fan, the CXc300 ensures optimal ventilation. Its high-efficiency heat exchanger and 70% partial bypass allow for exceptional energy performance.

With a range of control options, high-quality internal filters, and simplified maintenance, the CXc300 unit combines efficiency, comfort, and ease of use. For optimal air quality and intelligent management of your ventilation system, choose the CXc300 from ALDES.

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Main characteristics

- 5 sizes available covering a flow range from 400 to 2000m³/h
- 1 access requirement to the regulation box: left side view from underneath the unit
- construction with aluminium profiles and sandwich panels
- insulation with 30 mm compressed rock wool
- panel made of galvanised steel Z200 with corrosion resistance type RC2
- circular connections on all sizes: CXc304 diam.200mm, CX307 diam.250mm, CXc310 diam.250mm, CXc315 diam.250mm, CXc320 diam.315mm
- EC single-phase fan, plugfan type, with metal impeller (except CXc304 model with plastic turbine fan)
- high-efficiency counterflow heat exchangers (Eurovent AAHE certified)
- 70% partial bypass, ON/OFF
- integrated condensate tray
- factory-mounted fixing brackets for ceiling suspension or false ceiling installation
- integrated and factory-programmed control
- standard flow control modes available:
 - constant speed,
 - constant flow,
 - constant pressure,
 - variable speed on external CO₂ sensor signal (accessory)
 - mini wired remote control with LCD screen supplied as standard
 - control via Smartphone application as standard, compatible with iPhone & Android
 - comfort management: standard Freecooling, supply or ambient air temperature control
 - communication with BMS in Modbus RTU as standard
- filters supplied as standard with the unit:
 - Fresh air ePM1 55% (F7)
 - Extract air ePM10 65% (M6)
- Filter monitoring by pressure switch with fault feedback on HMI or BMS
- quick maintenance: access to filters and other internal components through removable panels located under the unit
- Available unit versions:
 - Basic unit without coil
 - Unit with factory-integrated electric coil
 - Basic unit to accessorise on-site with water coil to be fitted in duct
- available accessories not included:
 - Water coil
 - 3-way valves and servomotors.

Accessories

Description	Variants
RGE Ø250 Motorised	11055220

Associated services

Commissioning, Follow-up check if commissioning impossible at time of installation

General data

Variants	Insulation density (kg/m ³)	Thickness of insulation (mm)	Available filters	Connection direction	Type of exchanger	Type of motor	Ambient temperature range
11060876	40	30	ePM1 55% (F7), ePM10 65% (M6)	Ceiling	Counterflow, With plates	EC	0° - 50°

Dimensional data

Variants	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Ø (mm)
11060876	1352	870	350	250	1432	1030	361	250

Airflow data

Variants	Max. airflow ErP (m ³ /h)	Max. airflow (m ³ /h)
11060876	700	700

Electrical datas

Variants	Voltage (V)	Frequency (Hz)	Electrical coil voltage 1	Max. power of electrical coil 1 (kW)	Rated current (A)	Maximum current – unit (A)	Maximum current – first coil (A)	Power consumption	Unit voltage (V)	Max. line fuse (A)
11060876	230	50	230	2	13,70	8,7	8,7	3340	230	20

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