



## HIGH-EFFICIENCY HEAT RECOVERY UNITS CAD-COMPACT Series

### CAD COMPACT

Heat recovery units with high-efficiency counterflow aluminium plate heat exchanger (up to 88%) certified by Eurovent, mounted in a galvanised steel double-walled enclosure with internal thermo-acoustic fireproof insulation (A1/M0) made of 25 mm thick mineral wool in models 500 to 2500, and 30 mm in models 3200 and 4500. Circular inlet and outlet flanges with seals in models 500 to 1800, and rectangular flanges in models 2500 to 4500. Only available in horizontal version. Minimum outside air temperature -10°C. For lower temperatures it is necessary to use preheating batteries located in the suction of the outside air.



**Applications** Air renewal in commercial premises, offices, hotels, public buildings, schools.

The CAD-COMPACT range is not available with additional post-heating batteries integrated in the unit, although it is possible to add them as accessories.

**Fans** Plug fans with reverse impeller blades.

Single-phase EC motors with integrated electronic protection. IP44, Class B.

**Filters-F7: Low pressure F7 filters (ePM1, 70%) for air supply.**

- M5: M5 filters (ePM10, 50%) for air extraction.

- It is possible to mount a second filter inside the system (supplied as an accessory).

#### Control

CAD-COMPACT units can be supplied with 3 levels of control functioning:

#### ECOWATT VERSION

#### BASIC and ADVANCED VERSION

See detailed characteristics of both controls in the table about Plug&Play versions functionalities.

#### Other data

Single-phase electrical supply 230V 50-60Hz in models 500 to 3200, three-phase 400V 50-60Hz in model 4500.

Nominal airflow of 460 to 4.165 m³/h with 150Pa of available pressure.

All models and versions include internal bypass.



## Attributes



#### BASIC version

Characteristics:

- Remote control included.
- Manual/automatic speed control.
- Manual and automatic bypass control.
- Alarm indication.
- Modbus communication.



### **ADVANCED version**

Characteristics:

- Touch control screen.
- Same functions as BASIC version plus fan control in VAV, COP and CAV modes.
- Control of external water coils (accessories).
- Additional functions.



### **Electrical box included**

External security switch included. Both in the pre-wired ECOWATT version and in the BASIC and ADVANCED Plug&Play versions.



### **Low noise level and robust construction**

Twin panel enclosure. Fireproof thermo-acoustic insulation A1/M0 of 25 or 30 mm thickness, depending on the model.



**Highly efficient heat exchanger made of aluminium (up to 86%)**  
certified by Eurovent.



### **Motors**

Plug fans are equipped with single-phase EC motors.

**High-efficiency filters**

- Low pressure F7 filters (ePM1, 70%) for air supply.
- M5 filters (ePM10 50%) in the extraction.

Possibility of mounting a second filter inside the unit (supplied as an accessory).

**Bypass**

All versions include internal bypass with an integrated actuator.

**Easy assembly**

Specific supports for installation in false ceilings.