



COMPACT (CPL-CRO)

Compact air handling unit

Eurovent certified

Low noise production

Use

In addition to a variety of modular air handling units with or without controls, there is a demand in the market for more compact and integrated solutions that take the available space into account.

Solid Air Climate Solutions has improved the compact units by providing better performances with the same or even smaller dimensions of the units. Ideal for schools, hospitality, offices, and housing/care centres. The Compact CPL-CRO is Eurovent certified, complies with ERP rules, it is silent, smart, and energy-efficient.

Characteristics

- CPL airflows from to 6,100 m³/h.
- CRO Airflows of 9,000 m³/h.
- High efficiency and high flexibility in use.
- Low noise production.
- High-quality finish.
- Easy to install and maintain.
- Low TCO (Total Cost of Ownership).
- Fiscal benefits possible (Energy Investment Allowance asset code 210801).

Versions

CPL: compact air handling unit with plate exchanger

The CPL has been designed as a plug & play solution for creating a healthy and comfortable indoor climate. To facilitate internal transport, the larger units are modular, ensuring the individual components of the indoor versions never exceed 1 metre.

The CPL responds to the fine-dust issues, and has a standard option to select a second filter without increasing the size of the unit. By selecting two filters the air is pre-filtered and post-filtered.

The CPL model is a heat recovery unit with plate exchanger and achieves efficiencies of > 90%, is available for airflows up to 6,100 m³/h.

CRO: compact air handling unit with heat recovery wheel

The CRO model is the compact HR WTW unit from the Compact CPL-CRO range with a high-efficiency heat recovery wheel. This unit is suitable for heat recovery from airflows up to 9,000 m³/h, without compromising on the compact size. The heat recovery wheel has a new labyrinth sealing system, reducing the leak percentage to < 2 %. The heat recovery wheel is available as a condensation, adsorption, or enthalpy version.

Classification/certification

Mechanical and thermal properties compliant with DIN EN 1886.

Mechanical stability:	class D1
Airtightness class:	class L1
Heat insulation:	class T2
Thermal-bridge factor:	TB2

Energy class A+/A compliant with Eurovent.

Complies with the EU Ecodesign Regulation no 1253/2014, ErP 2018.

Standard Eurovent and RLT certified, compliant with VDI 6022.

Eurovent certified under no 23.03.003.



Would you like to know more about our compact units?

For more information, please contact the air handling units team on +31 598 36 12 21