



Air Conditioning Systems Facade Fan Coil Unit Type FVDplus

Decentralized Fan coil unit for the ventilation, heating, and cooling of occupied rooms (outer zones) via the facade and integrated tangential fan for recirculating air mode.

Unit view



LTG Facade Fan Coil Unit type FVDplus



Installation example

Floor Installation



Characteristics

- High economic efficiency thanks to high-efficiency EC motor with very low power input
- Low SFP value thanks to short air routes (<math><500 \text{ W}/(\text{m}^3/\text{s})</math>).
- Patented wind pressure control ensuring the required outside air flow in all operating and filter states.

- High heating and cooling capacity thanks to additional secondary air fan, night-time heating operation without outside air component
- Extremely tight shutoff valves with automatically closing spring return motor in the event of power failure: no freezing, no uncontrolled heat losses, no fire gas transmission.
- Extreme security against freezing by internal anti-freeze control and admission of room air.
- Good room flow thanks to patented LTG mixed/displacement flow.
- Closed housing made of 1.5 to 2 mm sheet steel, to avoid sound propagation into adjacent rooms.
- Low sound emissions thanks to use of silencer and quiet EC motor.
- Quick and easy maintenance due to excellent accessibility of all important parts by simply lifting the grille and one maintenance cover.
- Flexible use due to modular design. Dividing the system in two modules allows to meet any project requirement.
- Length and width of the unit may be adapted to the constructional conditions.
- High degree of safety thanks to sturdy design: tested unit loading conforming to loading class 3 for double floors.

Characteristics



Airflow Direct Induction