

Specification text - DucoBox Energy Comfort D400

Product description

The DucoBox Energy Comfort D400 is a balanced ventilation unit with heat recovery. The left/right exchange is 100% software-based thanks to the patented principle of the double bypass.

The optional demand control of the unit results in intelligent and energy-efficient operation. Together with the smart demand control based on CO₂ and humidity, the dynamic air distribution filters ensure exceptional efficiency within this compact unit.

The compact and quick-to-install 2-zone valves provide the most energy-efficient result that can be achieved with an MVHR system. Add to this the fact that noise is drastically reduced due to zone control.

Unit equipment

- The casing consists of EPP combined with a sheet steel front plate
- Software-based left/right exchange
- Double summer bypass – 100% modulating
- Equipped with a dynamic airflow filter on the supply air, type Coarse 65%
- Equipped with a dynamic airflow filter on the exhaust air, type Coarse 65%
- Plastic heat exchanger
- Frost protection by imbalance or via an optional, external heater
- EC fan with backward-curved blades
- Automatic passive cooling control
- Constant flow control of the flow rates
- Automatic calibration under constant pressure
- Built-in regulation for 2-zone control
- Operation via integrated display and operating buttons
- Use via optional remote controls and room sensors
- Configuration of the unit via an installation wizard on smartphone/tablet
- Connection to home automation and building management systems possible via REST API (local or via the cloud) or Modbus TCP (local). Both are possible via Ethernet or Wi-Fi (provided Duco Connectivity board)

Specifications

	D400
Maximum supply and extraction capacity at 200 Pa	400 m ³ /h
Energy label	A (A+ in combination with 2 sensors)
Maximum electrical power at 50 Pa	118,1 W
Emission from casing Lwa (at 200 Pa)	65 dB(A)
Energy conversion efficiency	87,9% (EN 13141-7)
Width x height x depth	756 x 800 x 584 mm
Weight	31 kg

Verifications

- CE verification