# 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

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|  | D400 |
| Maximum supply and extraction capacity at 200 Pa | 400 m³/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