



energiSava 400

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Detailed description

High-efficiency, whole-house heat recovery system. Designed to provide a constant supply of clean, tempered air and maintain stable humidity levels, free from condensation and mould, all year round.

Extracted air will pass through a heat exchanger before being ducted outside. Simultaneously, fresh air is drawn into the unit from outside, and is warmed by the high-efficiency heat exchange cell.

Features and benefits:

- Constant flow technology is used to deliver the required airflow at all times, and ensures maximum efficiency.
- Extremely low noise levels; aerodynamically designed fans run at lower rates and enable noise to be reduced, whilst lower internal resistance delivers quiet running.
- Includes summer bypass function as standard, which contributes to an improved comfort level in summer and is controlled automatically by measuring indoor and outdoor temperatures.
- Ease of commissioning via the intelligent digital display located on the unit.
- Frost protection with preheater guarantees the high efficiency at low temperatures.
- Suitable for properties requiring airflow rates of up to 400 m³/h.
- High thermal efficiency.
- Available with left-hand or right-hand configuration.
- Minimal maintenance required; the filters are easily accessible.
- High performance G3 filters remove 95% of dust from the air. F7 filter is available as an option.
- Various control options available, including complete demand control.
- 'Plus' version available offering additional connection options such as CO2 sensor and MODBUS.
- Two-year guarantee on parts, five-year guarantee on the heat exchanger.

Applications:

Designed to be installed on a wall in a utility room or cupboard space. Ideal for larger sized dwellings with Kitchen plus up to seven additional wet rooms depending on system resistance.

Approvals:

- CE-Marked.
- SAP Appendix Q tested.
- Passive House certified.

envirovent

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Product guidance - As Standard

Size:

- 765 x 564 x 677 mm.
- Duct connection dimensions: 180 mm.

Weight:

38 kg.

Technical characteristics:

- Specific fan power (kitchen and additional wet rooms): One wet room: 0.72 W/L/s; two wet rooms: 0.62 W/L/s; three wet rooms: 0.59 W/L/s; four wet rooms: 0.61 W/L/s; five wet rooms: 0.65 W/L/s; six wet rooms: 0.71 W/L/s; seven wet rooms: 0.79 W/L/s.
- Thermal efficiency (kitchen and additional wet rooms): One wet room: 89%; two wet rooms: 89%; three wet rooms: 88%; four wet rooms: 88%; five wet rooms: 87%; six wet rooms: 86%; seven wet rooms: 86%.
- Specific energy consumption: Average: Manual: -36.26 kWh/(m².a); One sensor: -39.06 kWh/(m².a); two or more sensors: -42.27 kWh/(m².a); cold: Manual: -78.55 kWh/(m².a); one sensor: -82.04 kWh/(m².a); two or more sensors: -86.16 kWh/(m².a); Warm: Manual: -12.03 kWh/(m².a); one sensor: -14.44 kWh/(m².a); two or more sensors: -17.13 kWh/(m².a).
- Specific energy consumption class: Average: Class A–A+; Warm: Class E–F; Cold: Class A+.
- Annual electricity consumption: Average: Manual: 346 kWh; one sensor: 301 kWh; two or more sensors: 240 kWh; cold: Manual: 883 kWh; one sensor: 838 kWh; two or more sensors: 777 kWh; warm: Manual: 301 kWh; one sensor: 256 kWh; two or more sensors: 195 kWh.
- Annual heating saved: Average: Manual: 4371 kWh; one sensor: 4442 kWh; two or more sensors: 4536 kWh; cold: Manual: 6672 kWh; one sensor: 6780 kWh; two or more sensors: 6924 kWh; warm: Manual: 2301 kWh; one sensor: 2338 kWh; two or more sensors: 2388 kWh.
- Unit type: Ventilation unit with heat recovery.
- Fan type: Variable speed EC fan.
- Heat recovery type: Recuperative plastic cross-counterflow heat exchanger.
- Thermal efficiency: 89%.
- Maximum flow rate: 400 m³/h.
- Electric power input: 142 W.
- Sound power level: 48 dB(A).
- Reference flow rate: 280 m³/h.
- Reference pressure difference: 50 Pa.
- Specific power input (SPI): 0.24 W/(m³/h).
- Leakage: Internal: 0.4%; External: 1.3%.
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Controls: Manual: 1.0; one sensor: 0.85; two sensors: 0.65.

Product specification

Manufacturer

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- Product reference**
- ESAVA400-L-R - Standard version, left-handed.
 - ESAVA400-R-R - Standard version, right-handed.
 - ESAVA400P-L-R - Plus version, left-handed.
 - ESAVA400P-R-R - Plus version, right-handed.

- Accessories**
- [Not required]
 - [FILTER ES3/ 400-G4/ F7] - Two G4/ F7 fine dust filters.
 - [FILTER-ES3/ 400-G4] - Two G4 filters.
 - [SENSORBK-CO2] - CO2 sensor. For use with Plus version only.
 - [SENSORBK-H] - Humidity sensor, duct-mounted.
 - [SWHBK-4W] - Four-way wired switch with filter indication.
 - [SWHBKRF-2] - Two-way remote control switch.
 - [SWHBKRF-4] - Four-way remote control switch.
 - [SWHBKRFSET-2] - Two-way remote control switch and receiver.
 - [SWHBKRFSET-4] - Four-way remote control switch and receiver.