



## Slimline 300

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### Detailed description

High-efficiency, low-profile mechanical ventilation with heat recovery (MVHR) unit, delivering low energy consumption and low noise levels. Designed to provide a constant supply of clean, tempered air and maintain stable humidity levels 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, whilst also providing maximum efficiency.
- Engineered with aerodynamically-designed fans to run at lower rates and enable noise to be reduced. In addition, the unit has been designed with a larger heat exchanger, which minimizes resistance and delivers quieter running.
- Compact, low-profile design provides ease of installation in restricted spaces.
- 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.
- Frost protection with integral preheater prevents the heat exchanger from freezing during times of low temperature.
- Suitable for a wide range of domestic environments.
- Plus version available with the option of connecting to additional sensors such as CO2 sensor.
- High thermal efficiency.
- Intelligent control module is included as standard.
- Can be installed on walls or ceilings.
- Two-year warranty and five years on the heat exchanger

### Applications:

Suitable for ceiling-mounted applications, and can be used in renovation projects on suspended ceilings in areas such as:

- Care homes.
- Student accommodation.
- Smaller dwellings or apartments.

### Approvals:

- ErP A rated.
- SAP Appendix Q tested.
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EnviroVent Ltd

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Passive House certified.

## Product guidance - As Standard

### Size:

- 310 x 644 x 1185 mm.
- Duct connections: 150–160 mm.

### Technical characteristics:

- Specific fan power (kitchen plus additional wet rooms): One wet room: 0.65 W/L/s; two wet rooms: 0.59 W/L/s; three wet rooms: 0.61 W/L/s; four wet rooms: 0.64 W/L/s; five wet rooms: 0.69 W/L/s; six wet rooms: 0.77 W/L/s; seven wet rooms: 0.91 W/L/s.
- Thermal efficiency power (kitchen plus additional wet rooms): One wet room: 92%; two wet rooms: 90%; three wet rooms: 89%; four wet rooms: 88%; five wet rooms: 87%; six wet rooms: 86%; seven wet rooms: 85%.
- Specific energy consumption: Average: One sensor: -38.84 kWh/(m<sup>2</sup>.a); two or more sensors: -42.09 kWh/(m<sup>2</sup>.a); cold: One sensor: -81.56 kWh/(m<sup>2</sup>.a); two or more sensors: -85.79 kWh/(m<sup>2</sup>.a); warm: One sensor: -12.16 kWh/(m<sup>2</sup>.a); two or more sensors: -15.75 kWh/(m<sup>2</sup>.a).
- Specific energy consumption class: Average: Class A–A+; Warm: Class E; cold: Class A+.
- Annual electricity consumption: Average: One sensor: 298 kWh; two or more sensors: 239 kWh; cold: One sensor: 835 kWh; two or more sensors: 776 kWh; warm: One sensor: 253 kWh; two or more sensors: 194 kWh.
- Annual heating saved: Average: One sensor: 4415 kWh; two or more sensors: 4516 kWh; cold: One sensor: 6739 kWh; two or more sensors: 6839 kWh; warm: One sensor: 2324 kWh; two or more sensors: 2377 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: 92%.
- Maximum flow rate: 300 m<sup>3</sup>/h.
- Electric power input: 116 W.
- Sound power level: 44 dB(A).
- Reference flow rate: 210 m<sup>3</sup>/h.
- Reference pressure difference: 50 Pa.
- Specific power input (SPI): 0.24 W/(m<sup>3</sup>/h).
- Leakage: Internal: 0.9%; External: 2.3%.
- Controls: One sensor: 0.85; Two sensors: 0.65.

## Product specification

### Manufacturer

EnviroVent Ltd



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**Product reference** SL300-R - Standard version.  
SL300P-R - Plus version, with additional connections for the CO2 sensor, geo-heat exchanger, bedroom diffuser and post heater.

**Accessories** [Not required]  
[External preheater]  
[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.