

# Comfosystems Zehnder ComfoSpot 50

Decentralised comfort ventilation unit



**FANTECH**  
Intelligent Ventilation

*Creating healthy buildings with*

**zehnder**

Heating

Cooling

Fresh Air

Clean Air



Compact and powerful.  
Enthalpy exchanger included.

The ideal solution for single rooms and smaller living spaces, for refurbishments or new builds: The decentralised ventilation unit Zehnder ComfoSpot 50 impresses with its compact size and good performance values. As a decentralised solution, Zehnder ComfoSpot 50 is easy to install with a minimum of conversion work required. The control panel has been integrated into the unit for maximum ease of operation. The major benefit is the one-of-a-kind enthalpy exchanger: as this extracts moisture in addition to heat from the extract air, no condensate develops and the external façade stays clean.

### Compact enthalpy exchanger

- **Energy-efficient:** The enthalpy exchanger ensures excellent heat and humidity recovery.
- **Clean:** No condensate down the external façade, the wall stays clean and dry.
- **Hygienic:** Membranes prevent odours from being transferred. Easy to maintain, can be cleaned with water.



### Simple, elegant design

- **Compact:** Slim profile, extremely flat design.
- **Harmonious:** Interior and exterior wall panels can be painted over to match the colour of the wall.
- **Discreet:** Fits into any setting; apart from the panels, all the technology is hidden in the wall.



### Integrated control panel

- **Flexible:** The control panel is integrated into the unit panel and can be fitted at the top or bottom as required.
- **Intuitive:** Easy to operate using keys, 4 fan speeds, supply air operation, extract air operation and switch-off.
- **Comfortable:** The control panel lets you know when it is time to replace the filter.



### Fast installation

- **Minimum effort:** Only one core hole drilling and a connection to a 230 V power supply are required.
- **Installation benefits:** Condensate-free operation and matching components make installation much easier.
- **Cost saving:** Minimum intrusion into the living space, no refurbishment required.

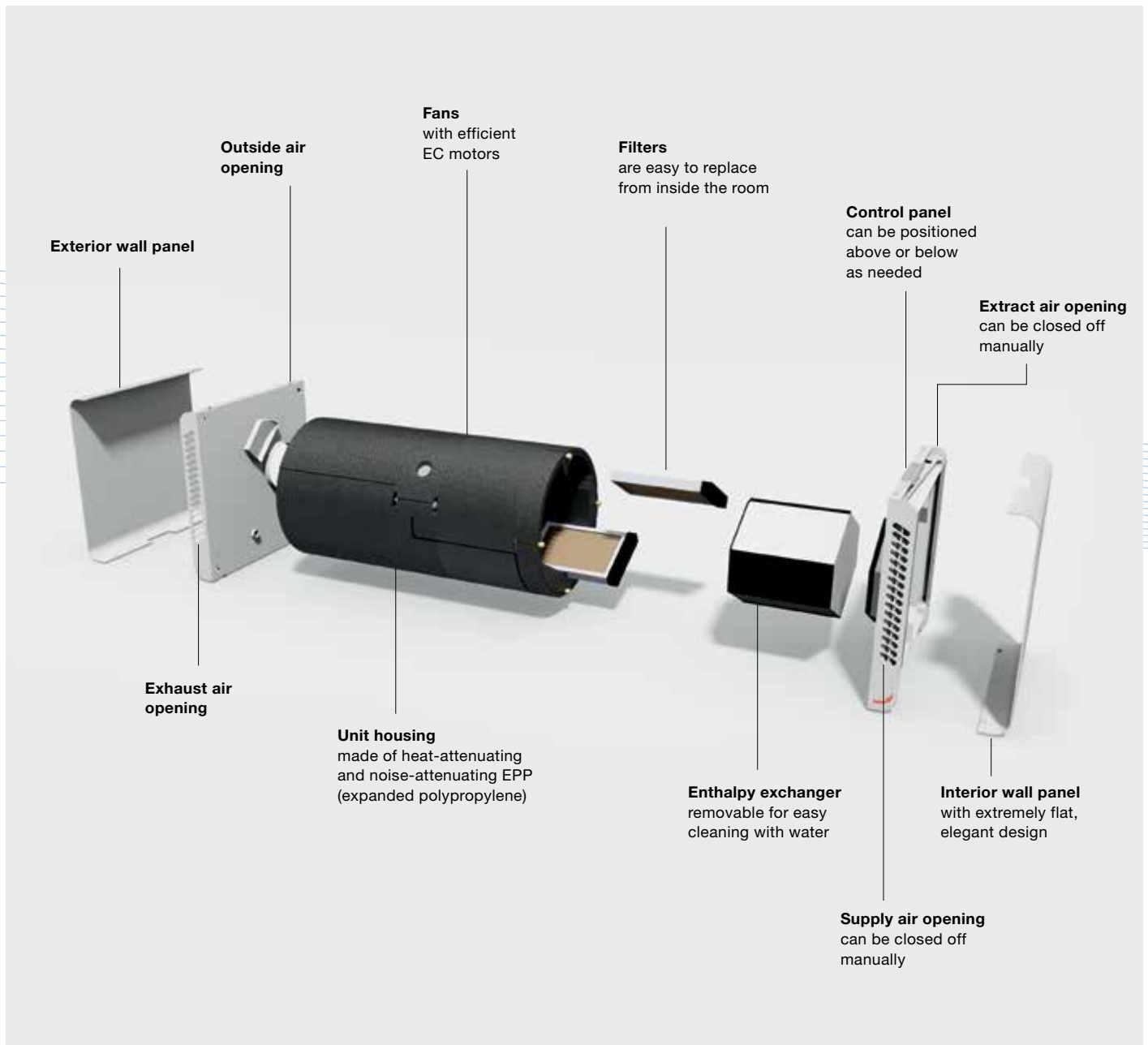


High product performance.  
Easy to install.

Zehnder ComfoSpot 50 can move air at volumes of up to 55m<sup>3</sup>/h, all while working extremely quietly: Thanks to the EPP interior lining, the noise level remains below the typical audible range. The enthalpy exchanger is unique for this type of unit and allows up to 82% heat recovery and 78% humidity recovery. Zehnder ComfoSpot 50 is fully operational down to -5°C. The ventilation unit is operated with

frost protection in temperature ranges between -5°C and -15°C, which prevents it from freezing over. Zehnder ComfoSpot 50 can be installed in the building with minimum intrusion. Only a core hole drilling of approx. 340 millimetres and a 230 V mains power supply are required to fit the unit. The exterior and interior wall panels are made from a resistant plastic and can be painted over if

required, allowing the unit to be matched to the colour of the wall. Thanks to the integrated enthalpy exchanger, there is absolutely no accumulation of condensation, which would then have to be disposed of down the external façade. As a result, the external façade stays clean and dry. The unit can be mounted outwards without an incline, which makes installation much easier.



## Key Information for Zehnder ComfoSpot 50

| Zehnder ComfoSpot 50              |  |
|-----------------------------------|--|
| Electrical connection             | 230 VAC / 50 – 60 Hz   |
| Protection class                  | SELV Class II  |
| Degree of protection              | IP 20  |
| Housing                           | Unit: Plastic, without thermal bridges<br>Unit core: Expanded polypropylene (EPP)  |
| Control                           | 4 fan speeds, unit off, supply and extract air operation<br>Operating status, filter replacement and fault display<br>Filter operation time monitoring with manual reset<br>Frost protection control |
| Installation                      | In outside wall  |
| Filters                           | G4 for supply and extract air, optional supply air F7  |
| Fans                              | DC radial fan  |
| Heat exchanger                    | Cross-counterflow enthalpy exchanger   |
| Shutters                          | Manually operated shutters for supply and extract air  |
| Max. current draw                 | 0.75 A   |
| Application                       | –20°C to 40°C  |
| Frost protection                  | Frost protection from –5°C to –15°C, then standby mode   |
| Volume flow rate                  | 15 – 25 – 40 – 55 m <sup>3</sup> /h  |
| Energy efficiency                 | Up to 82% heat recovery, up to 78% humidity recovery   |
| Noise level                       | Approx. 25 dB(A) at a volume flow rate of 30 m <sup>3</sup> /h*  |
| Dimensions and weight             |  |
| Interior and exterior wall panel  | W 380 x H 376 x D 50 mm  |
| Outside wall thickness            | Min. 350 to 600 mm   |
| Wall mounting pipe, not shortened | 315 mm diameter, 600 mm long   |
| Core hole drilling                | Approx. 340 mm diameter  |
| Weight                            | Approx. 5 kg   |

\* Preliminary values for unit emission at a distance of 3 m.

Z\_IS\_V0315\_PBR\_ComfoSpot 50, en, subject to change without notice



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