

Comfosystems Zehnder ComfoAir 70

Decentralised comfort ventilation unit



FANTECH

Intelligent Ventilation

Creating healthy buildings with

zehnder

Heating

Cooling

Fresh Air

Clean Air

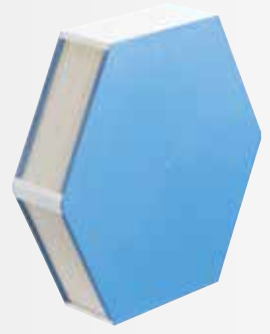


Fresh air.
24 hours a day.

The decentralised ventilation unit Zehnder ComfoAir 70 provides fresh air and produces a pleasant indoor climate and feeling of well-being. Thanks to its intelligent technology, fresh air is supplied to the room permanently and stale, moist air exhausted to the outside – so you never have the feeling that you have to open the window. This reduces the energy consumption because no valuable heating energy is lost through window ventilation. This saves energy and real money.

Unique enthalpy exchanger

- **Energy-efficient:** The large dimensions of the enthalpy exchanger ensure optimal heat recovery and humidity recovery.
- **Clean and dry façade:** No removal of condensate via the façade.
- **Hygienic:** Membranes prevent mould and development of bacteria and are easy to clean.



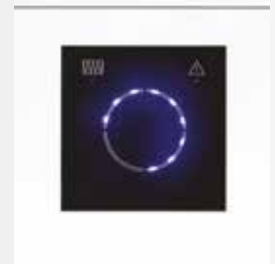
Optional twin-room connection

- **Flexible:** Neighbouring rooms can also be integrated into the ventilation system which provides improved circulation of fresh air.
- **Expandable:** Large apartments can use several units to supply and extract air.



Simple control

- **Intuitive:** Capacitive button for easy touch operation.
- **Demand-oriented:** Optional demand control sensor (CO₂, VOC & Humidity).
- **Safe:** Display shows filter replacement and any service requirements.



Fast installation

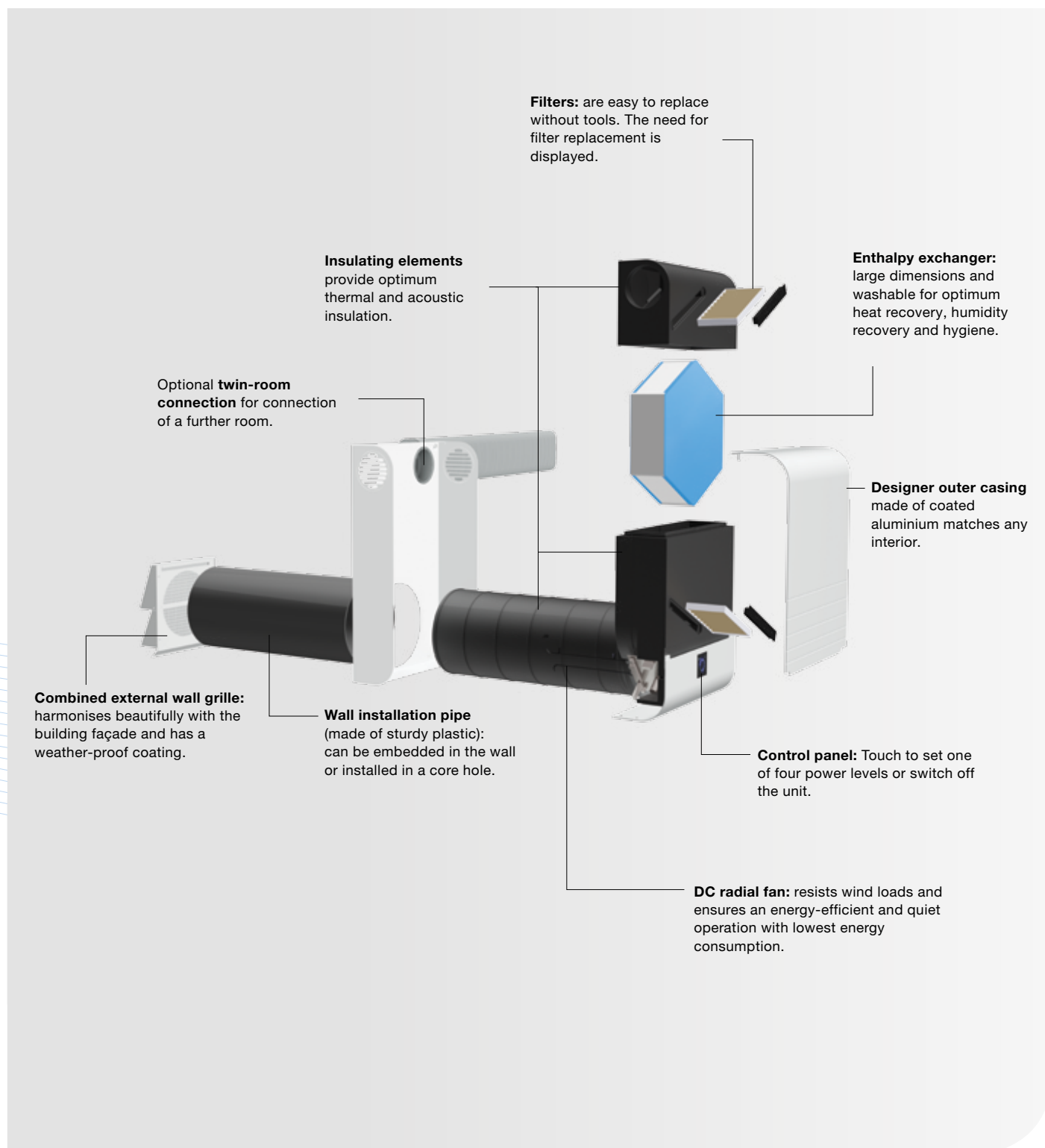
- **Minimum effort:** Only core hole drilling and 230V power connection required.
- **Easy to install:** Condensate-free operation and matching components.
- **Cost saving:** Minimum intervention in the living space, no renovation required.



High product performance.
Easy to install.

Suitable for renovations or new builds in single or two-roomed apartments. The decentralised ventilation unit Zehnder ComfoAir 70 is easy to design and install. It requires only a core hole drilling and power supply installation on site. The large dimensions of the enthalpy exchanger, the core of the ventilation unit, utilise the energy from the extract air. As low as -5°C , Zehnder ComfoAir 70 operates

without a pre-heater and frost protection controller, which makes for further energy savings. No condensate forms, drip edges are avoided and the house façade stays clean and dry.



Facts and figures for Zehnder ComfoAir 70

Zehnder ComfoAir 70	
Article number	527 003 530
Electrical connection	Power supply 230 V AC to 24 V DC
Operating voltage	24 V DC
Protection class	SELV Class III
Casing	Unit core: Expanded polypropylene (EPP) Unit shell: Aluminium powder coating
Control	4 fan speeds, unit off Operating status, filter change and fault display Filter operation time monitoring with manual reset Frost protection control Automatic flap lock when switched off and in the case of power failure
Installation	In outside wall
Filter	G3 for supply and extract air, optional supply air F7
Fans	DC radial fan
Heat exchanger	Moisture-transferring cross-counter flow enthalpy exchanger
Flaps	Motor-driven flaps for supply and extract air (close automatically)
Max. current draw	0.75 A
Operating range	-20°C to +40°C, frost-protection control switches unit off
Frost protection	Frost-protection control down to -12 °C, then unit switches off
Air flow rate	15-25-40-65 m ³ /h
Energy efficiency	Up to 89 % heat recovery, up to 71 % humidity recovery
Dimensions and weight	
Ventilation module	H 660 x W 440 x D 145 mm
Outside wall thickness	min. 280 , max. 600 mm
Wall mounting pipe, not shortened	250 mm diameter, 600 mm long
Core hole drilling	approx. 280 mm diameter
Weight	24 kg (incl. Combined external wall grille and wall mounting pipe)

Z_IS_V0814_PBR_ComfoAir70_en, subject to change without notice



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Specifications and design subject to change without notice.

FAN00111 01/25