

Technical Specifications for Zehnder ComfoAir 70

| Zehnder ComfoAir 70 | |
|------------------------|---|
| Article number | 527 003 530 |
| Electrical connection | Power supply 110 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 | G4 (MERV 7/8) for supply and extract air, optional supply air F7 (MERV 13) |
| Fans | DC radial fan |
| Heat exchanger | Cross-counter flow enthalpy exchanger |
| Damper | Motor-driven dampers for supply and extract air (automatic close) |
| Max. current | 0.75 A |
| Operating range | 10.5°F to +104°F |
| Frost protection | Frost-protection control down to 10.5 °F, then unit switches off |
| Air flow rate preset | 9 -15 -24 -38 cfm |
| Energy efficiency | PHI rated 85% heat recovery, up to 64% humidity recovery |
| Dimensions and weight | |
| Ventilation module | H 26 x W 17.3 x D 5.7 inch |
| Outside wall thickness | Minimum 11 inch, maximum 23.6 inch. |
| Wall mounting pipe | 9.85 inch diameter, 23.6 inch long |
| Core hole drilling | 11 inch. diameter |
| Weight | 53 lbs (including external wall grille and wall mounting pipe) |



Comfosystems Zehnder ComfoAir 70

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Decentralized comfort ventilation unit



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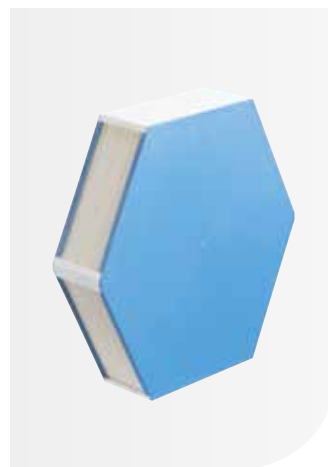
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Fresh air.
24 hours a day.

The decentralized 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 is exhausted to the outside – so you never have the feeling that you have to open the window. This reduces energy consumption because no valuable heating energy is lost through window ventilation. This saves energy and real money.

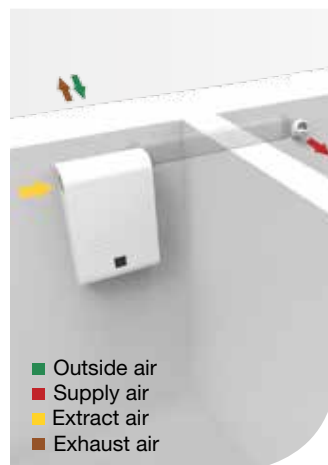
Unique enthalpy exchanger

- **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.
- **Expandable:** Large apartments can use several units to supply and extract air.



Simple control

- **Intuitive:** 4 Speed button for easy touch operation.
- **Demand-oriented:** Four programable fan levels and switch-off function to ensure the ideal air flows.
- **Safe:** Display shows filter replacement and any service requirements.
- **Efficient:** LED automatically switches off after 60 seconds.



Fast installation

- **Minimum effort:** Only core hole drilling and 110V AC (With transformer) or 24V DC power connection required.
- **Easy to install:** Condensate-free operation and matching components.
- **Cost saving:** Minimum intervention in the living space.



High product performance.
Easy to install.

Suitable for renovations or new construction in single or two-room apartments. The decentralised ventilation unit Zehnder ComfoAir 70 is easy to 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, utilizes the energy from the extract air. As low as 14°F, Zehnder ComfoAir 70 operates

without a pre-heater and frost protection control, which makes for further energy savings. No condensate forms, thus the house façade stays clean and dry.

