

Komfortlüftungsgerät

Zehnder Comfoair 140

Use

The Zehnder Comfoair 140 air conditioning unit was developed specifically for space-saving application in sophisticated residential and commercial construction. It combines optimum comfort, ease of use and high efficiency. The Zehnder Comfoair 140 has high performance DC fans and processes up to approx. 140 m³/h of air at an external pressure of 100 Pa.

Efficiency

The efficiency level of the integrated counterflow heat exchanger exceeds 90%. In terms of user comfort, this means: pleasant air supply temperatures even with freezing outdoor temperatures. Reduction of heating costs when demand is highest.

Fans

The air supply and extract fans are powered by efficient DC motors. Direct control prevents pressure differences in the air supply and extract system. The air flow of the three available settings on the Zehnder Comfoair 140 can be switched between 35 m³/h and 140 m³/h.

Filter

A G4 class filter is standard on the Zehnder Comfoair 140. The unit can optionally be equipped with a pollen filter.

Installation

The Zehnder Comfoair 140 unit features a compact design. It is ideally suited for ceiling-mounted installation or integration into cabinets.

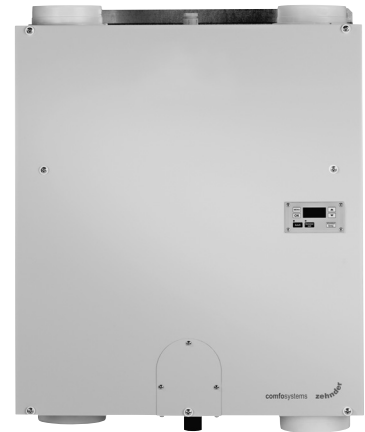
Operation

The unit is controlled by means of a 3-position switch with a zero setting, usually placed in living quarters. The air flow for each setting can be adjusted continuously.

The unit is equipped with a surge ventilation function, also called party ventilation: throughout the duration of this period, the unit operates at the highest setting before returning to the original setting. Surge ventilation is activated using an external switch, which can be installed beside the 3-position switch or, for example, in the bathroom.

Maintenance

The maintenance on a Zehnder Comfoair 140 is limited to regular filter changes. The more outdoor air the heat exchanger is required to process, the more regularly the filter needs cleaning. For this purpose, the heat exchanger can simply be removed from the unit, checked visually and, if needed, rinsed with soapy water.



Dreistufenschalter

Frost protection

If the ventilation unit is used without a geothermal switch, the frost protection setting still allows for safe operation.

In the event that the exhaust air reaches freezing point, the supply air flow is reduced and balanced ventilation ensures extended frost protection.

Bypass

In the summer, it is often warmer indoors at night than outside, as strong sunshine tends to heat indoor air during the day. The heat removal system compensates this by means of so-called free cooling: this ensures the cooler outside air enters the living space by bypassing the heat exchanger. The Zehnder Comfoair 140 is equipped with an automatic bypass for this purpose.

Technical details

Gerätetypen	Zehnder Comfoair 140
Max. Luftmenge (bei 100 Pa)	140 m ³
Min. Luftmenge	35 m ³ /h
Höhe	660 mm
Breite	595 mm
Tiefe	260 mm

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Benefits

- Comfortable air conditioning for up to 140 m³/h
- Heat recovery with an efficiency exceeding 90%
- Lower power usage thanks to DC motors
- Automatic summer bypass
- Continuous frost-protection function: also efficient at low temperatures
- Quick and reliable installation and maintenance
- Easy operation
- Filter contamination display
- Can be mounted on a ceiling or free-standing
- Low minimum air flow, especially for residential buildings
- Optional setting for residences with open fires

**Article numbers**

B = automatic summer bypass

Gerätetyp	Zuluft rechts (R)
CA 140 B	471 219 010

Tender specification CA 140 B

The Zehnder Comfoair 140 B air conditioning unit with a counterflow heat exchanger made of plastic, thermal performance exceeding 90%, continuously variable supply and extract fans with EC-DC motors, automatic integrated bypass, maximum air flow 140 m³/h at 100 Pa, H x W x D: 660 x 595 x 260 mm, version: right-handed air supply, the unit can easily be converted into a left-handed model. Weight: 32 kg.

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Air flow directions

The unit has 4 connectors. The outdoor air and stale air connectors are located on the underside of a ceiling-mounted unit. The air supply and extraction connectors are at the top of the unit. On right-handed units, the air supply connector is on the right. The unit can be converted into a left-handed model by switching the front and rear sides.

A = exhaust air

B = supply air

C = stale air

D = outdoor air

E = high-strength cable gland for electrical connection

F = Condensation drain

Certificates and suitability

Geltungsbereich

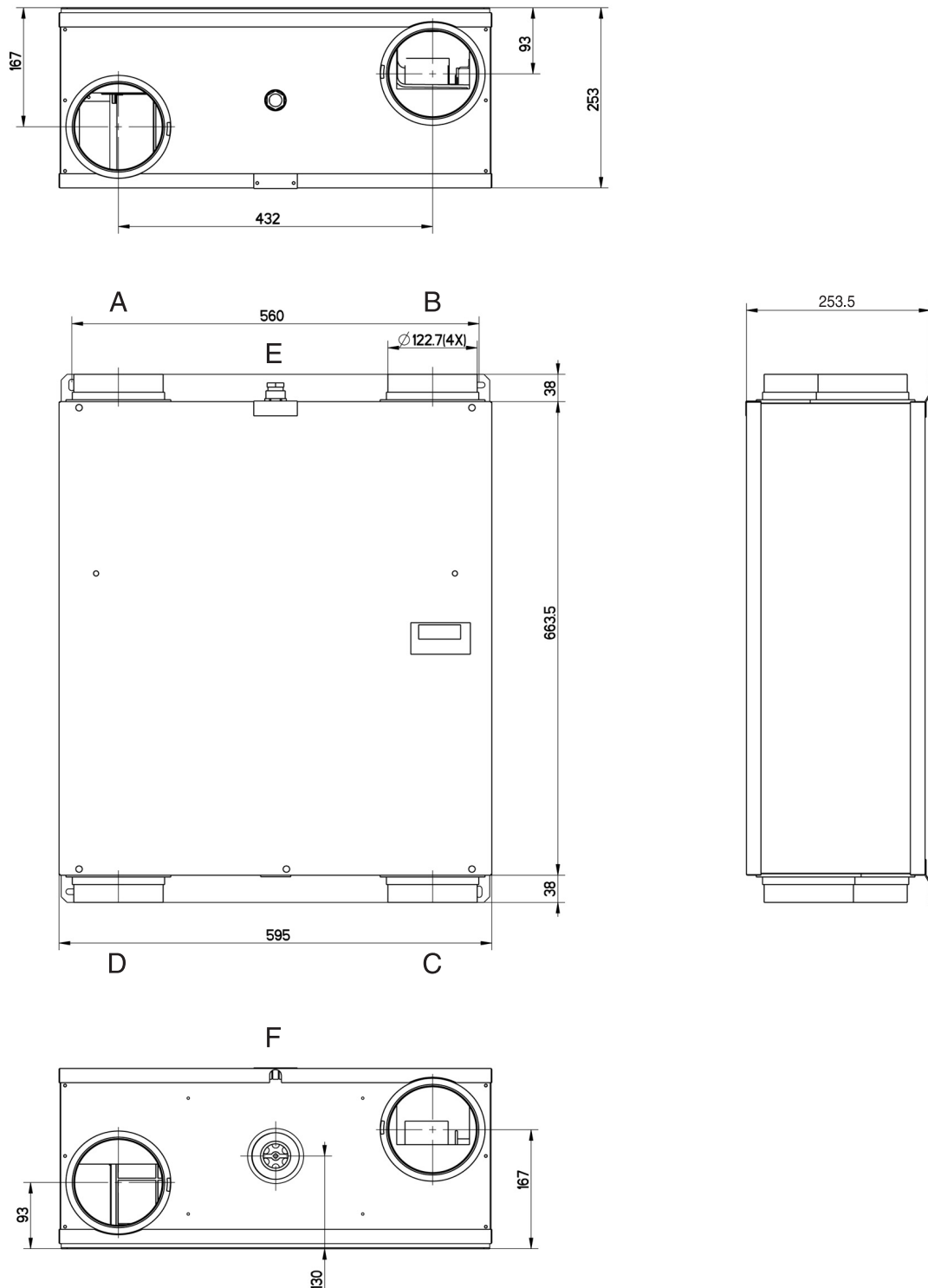
Deutschland geprüft nach DIN 4701-10 / DIN 24163 / DIN EN 308

Features

Ausrüstung	Comfoair 140
Bypass in der Abluft	ja
Ausführung Zuluft links / rechts	ja
Anschlussstutzen	DN125
Standard-Filter	G4

Funktionen	Comfoair 140
Frostschutzfunktion / Abtauautomatik	ja
Zu- und Abluft getrennt und stufenlos programmierbar	ja
Ein- und Ausschaltverzögerung für Badezimmerschalter	ja
Einstellung der Komforttemperatur	ja
Steuerung für Erdwärmetauscher	nein
Steuerung für Elektro-Lufterhitzer	nein
Steuerung für Warmwasser-Nacherwärmer	nein
Schnittstelle für Abfrage des Betriebszustands	ja
Filterverschmutzungsanzeige	ja
Zuluft abschaltbar	ja
Schnellheizung (mit Einsatz von Nacherwärmer)	nein

Dimension sketch



Subject to technical changes!

