Zehnder ComfoCase TVA

Technical specification

always the best climate

General

ComfoCase TVA housings are designed as connection elements between one or two ComfoTube air distribution hoses and air valves or design grilles with a Ø125 mm connection diameter. They provide a compact, airtight, and hygienic transition point within Zehnder air distribution systems and are suitable for both supply and extract air applications.

Due to their robust construction and flexible mounting options, ComfoCase TVA housings can be used in a wide range of residential ventilation installations, including solid and timber constructions.



Top Benefits

- Fast and easy installation thanks to integrated mounting points and the RapidLock® Connector.
- For ComfoTube 75 and 90
- Flexible mounting for ceiling and wall.
- Suitable for multiple construction types, including timber and solid buildings.
- Easy maintenance and cleaning, supporting hygienic operation over time.

Installation

The ComfoCase TVA can be installed on walls or ceilings and is also suitable for recessing into concrete floors. For correct positioning and ease of installation, a drill hole with a diameter of Ø130 mm is recommended.

The ComfoCase TVA is equipped with integrated mounting points or mounting brackets, allowing secure fixing to the building structure. While the adjustable mounting brackets are available to ensure accurate alignment.

When connecting the ComfoTube to the ComfoCase TVA, an O-ring must be fitted to the tube to ensure an airtight seal. Please note that these O-rings are not supplied with the ComfoCase TVA and must be ordered separately if required.

RapidLock® Connector

The ComfoCase TVA is equipped with the patented RapidLock® Connector (RLC), which enables a quick, tool-free, and secure connection of ComfoTube air distribution hoses. The RLC mechanism ensures a mechanically stable and permanently airtight connection, reducing installation time while minimising the risk of leakage or incorrect assembly.

Key Feautures:

- Valve connectors - suitable for air valves and design grilles with a Ø125 mm connection diameter, ensuring compatibility with a wide range of terminal devices
- Single and double variants available - designed for connection of one or two ComfoTube hoses, offering flexibility for different airflow requirements.
- Integrated mounting points or brackets - allow secure and straightforward installation on walls, or ceilings.
- Airtightness class D - ensures minimal air leakage and supports high system efficiency.
- Ø125 mm hygienic cover supplied - protects the connection during installation and supports clean, hygienic system commissioning.
- Patented RapidLock® Connector - enables fast, reliable, and airtight hose connections without additional tools.
- Recommended drill hole diameter Ø130 mm - supports precise and efficient installation.

Assortment Overview



ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170, including fixing kit for concrete formwork



ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410, including adjustable mounting brackets



ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394, including adjustable mounting brackets



ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394



ComfoCase TVA housing, 2xDN75, DN125, lateral, H=154



ComfoCase TVA housing, 2xDN90, DN125, lateral, H=410



ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170



ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410



ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162, including fixing kit for concrete formwork



ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162



ComfoCase TVA housing, 1xDN90, DN125, straight, H=163

Accessories



ComfoCase fixing kit for TVA, DN125, for concrete formwork, including nails



ComfoCase mounting bracket set for TVA, 10 pieces, including screws

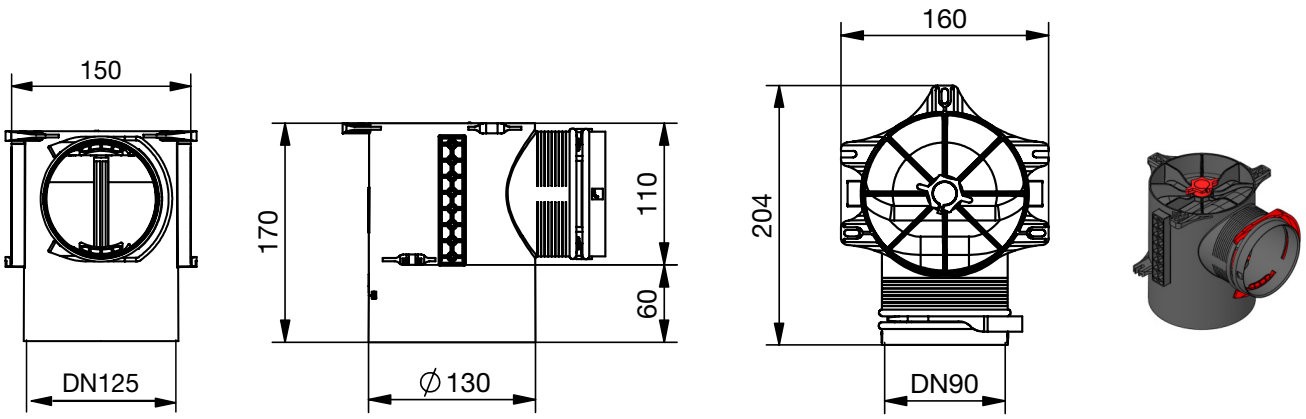


ComfoCase extension TVA-CLRF, DN125, black, polymer

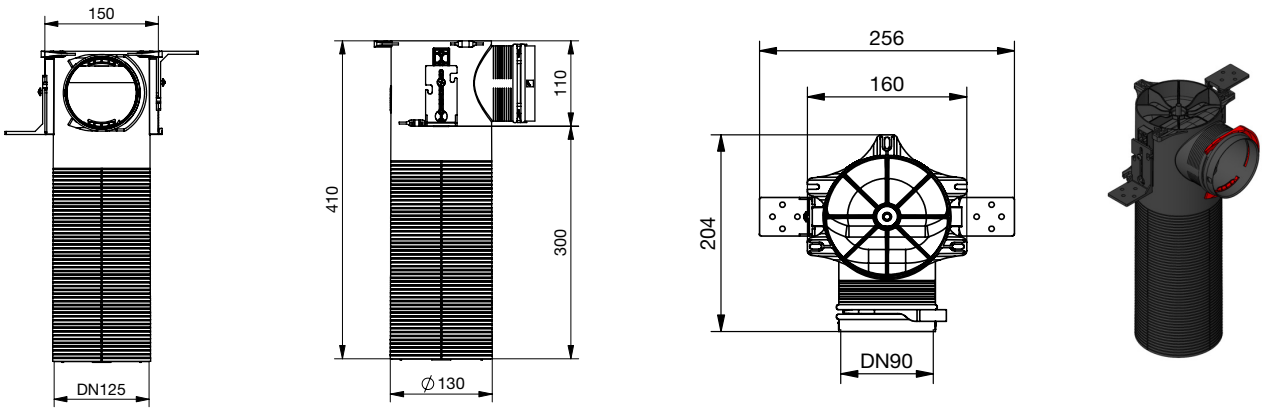
Article number	Name
990 326 145	ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170, including fixing kit for concrete formwork
990 326 147	ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410, including adjustable mounting brackets
990 326 151	ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394, including adjustable mounting brackets
990 326 150	ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394
990 326 149	ComfoCase TVA housing, 2xDN75, DN125, lateral, H=154
990 326 148	ComfoCase TVA housing, 2xDN90, DN125, lateral, H=410
990 326 144	ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170
990 326 146	ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410
990 326 143	ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162, including fixing kit for concrete formwork
990 326 142	ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162
990 326 141	ComfoCase TVA housing, 1xDN90, DN125, straight, H=163
990 326 153	ComfoCase fixing kit for TVA, DN125, for concrete installation, including nails
990 326 152	ComfoCase mounting bracket set for TVA, 10 pieces, including screws
990 328 362	ComfoTube seal DN75, for ComfoTube 75, black polymer, 10 pieces
990 328 363	ComfoTube seal DN90, for ComfoTube 90, black polymer, 10 pieces
990 326 137	ComfoCase extension TVA-CLRF, DN125, black, polymer

Technical drawings

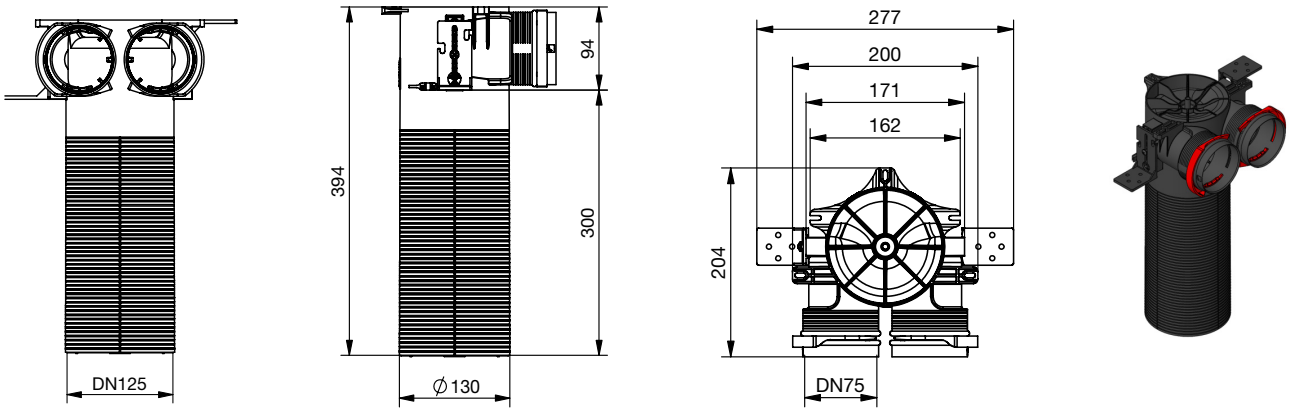
ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170, including fixing kit for concrete formwork



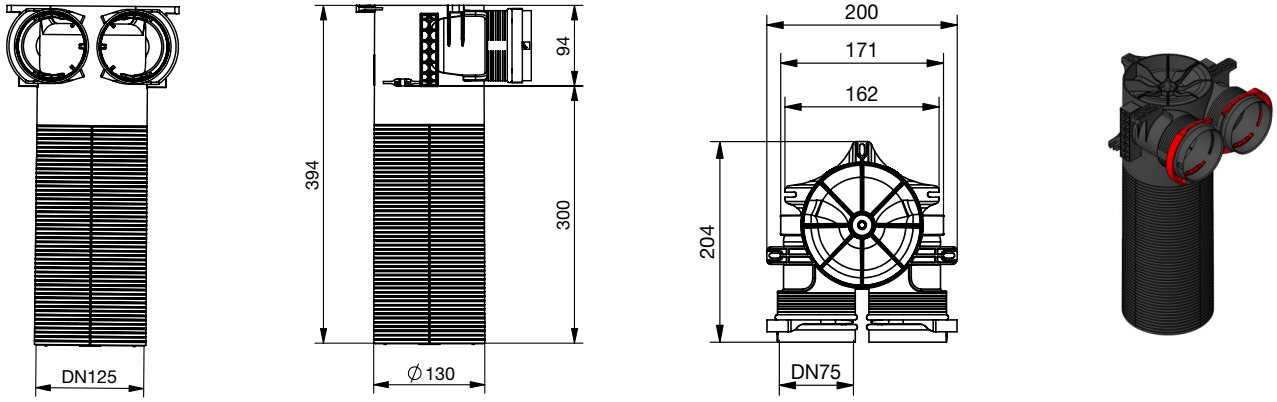
ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410, including adjustable mounting brackets



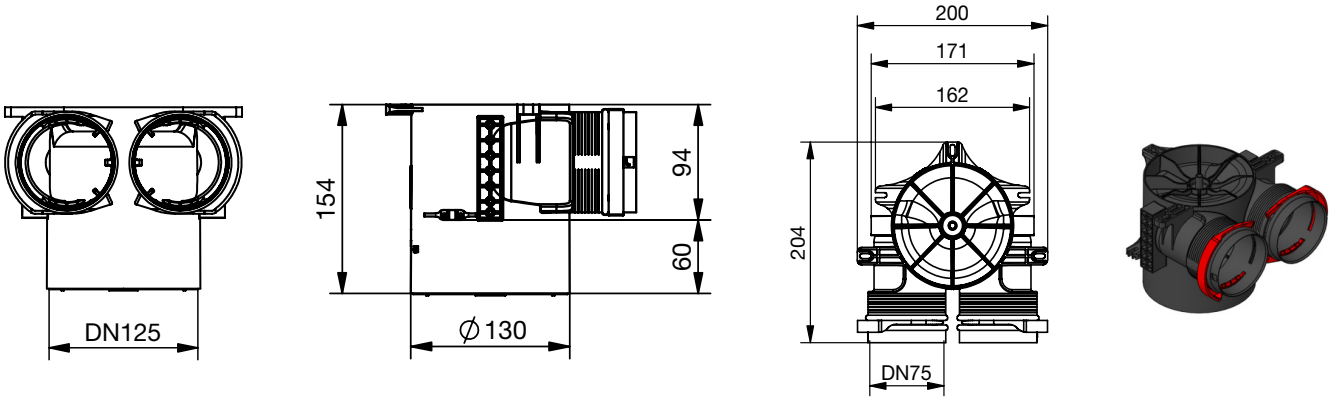
ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394, including adjustable mounting brackets



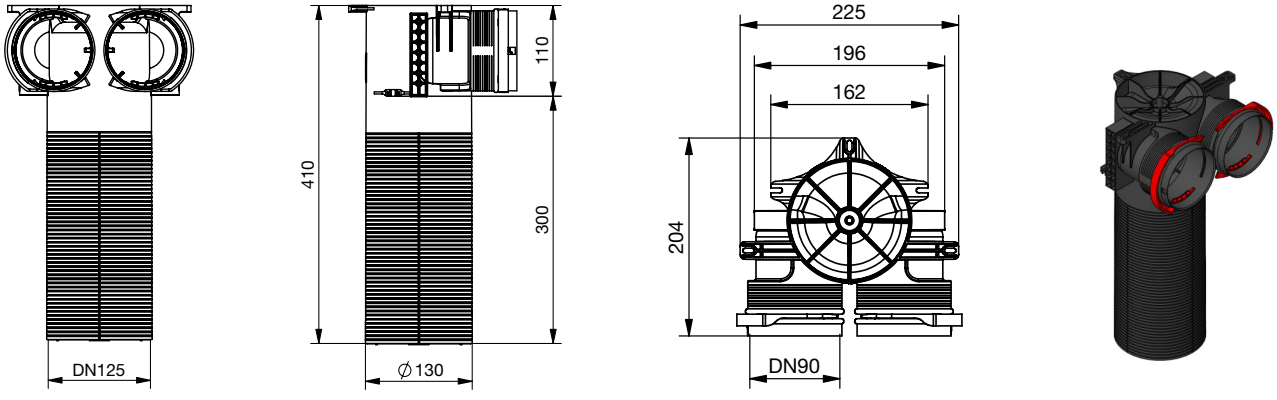
ComfoCase TVA housing, 2xDN75, DN125, lateral, H=394



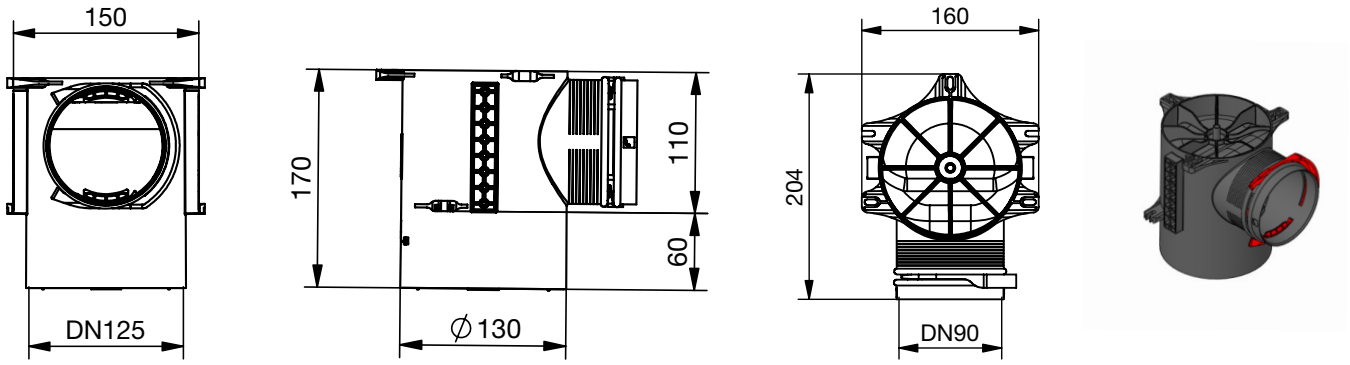
ComfoCase TVA housing, 2xDN75, DN125, lateral, H=154



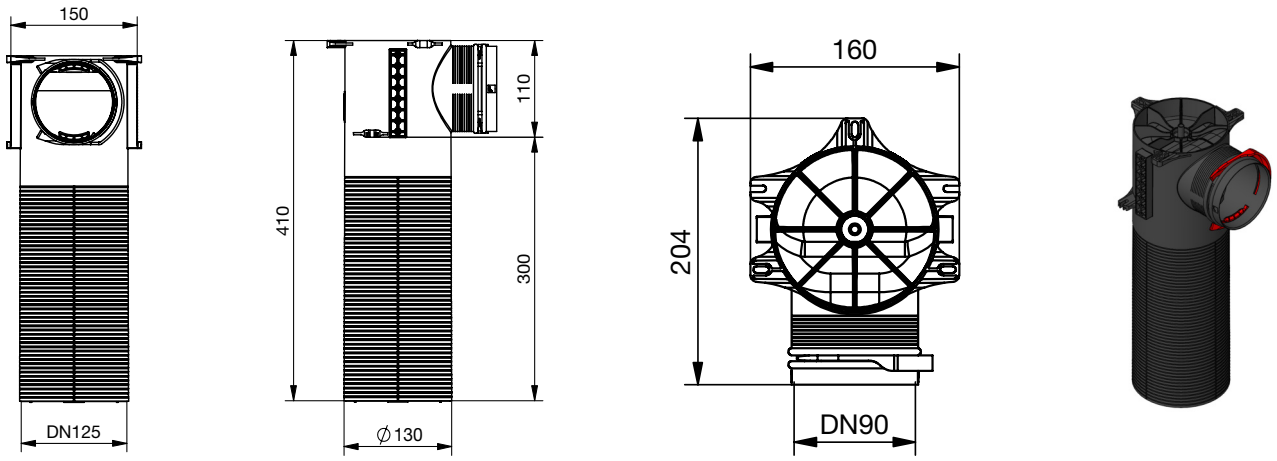
ComfoCase TVA housing, 2xDN90, DN125, lateral, H=410



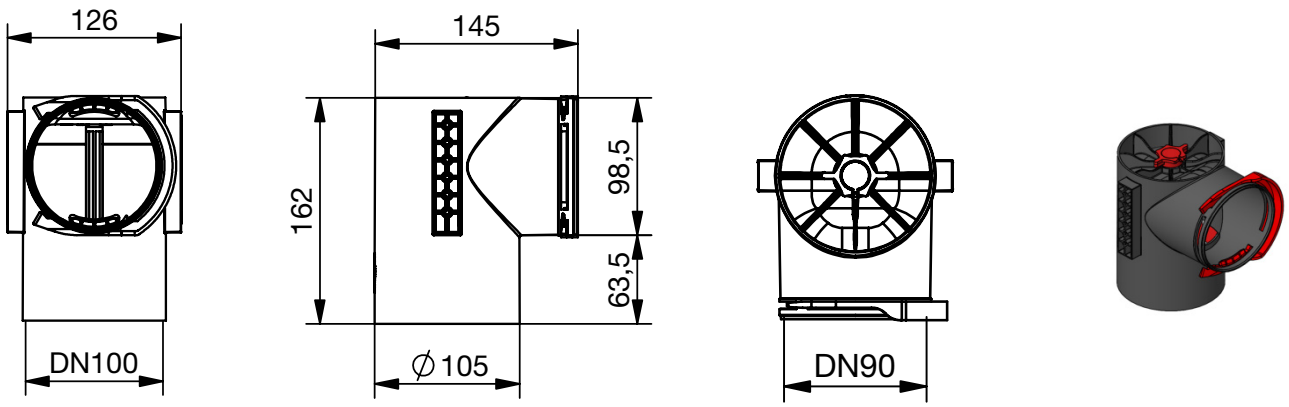
ComfoCase TVA housing, 1xDN90, DN125, lateral, H=170



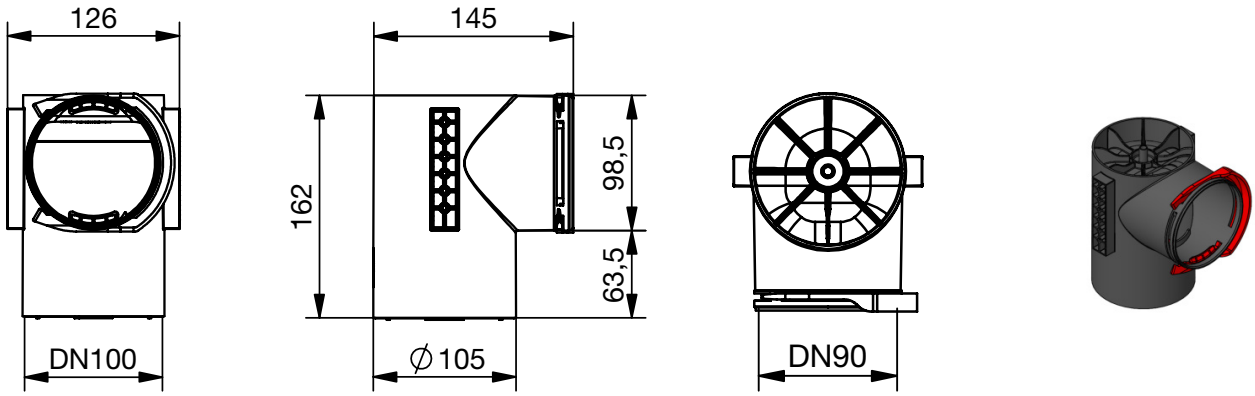
ComfoCase TVA housing, 1xDN90, DN125, lateral, H=410



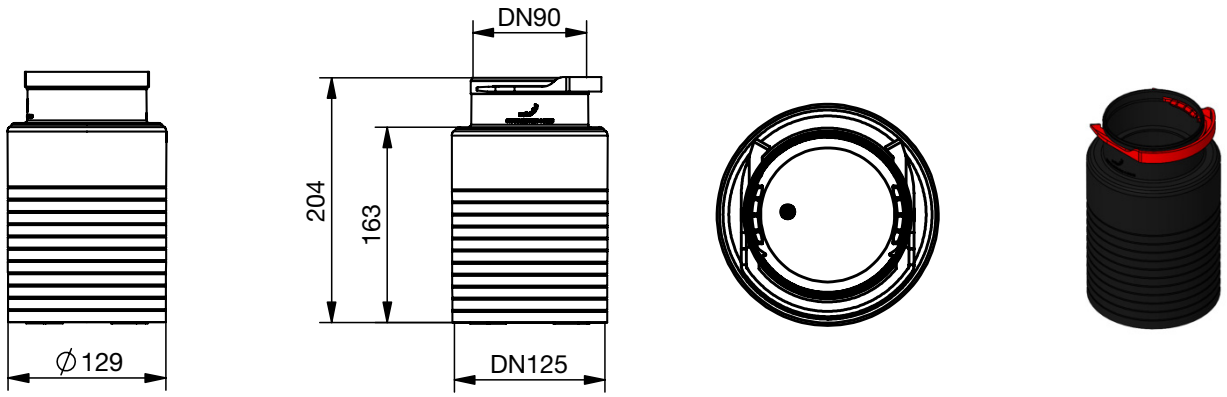
ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162, including fixing kit for concrete formwork



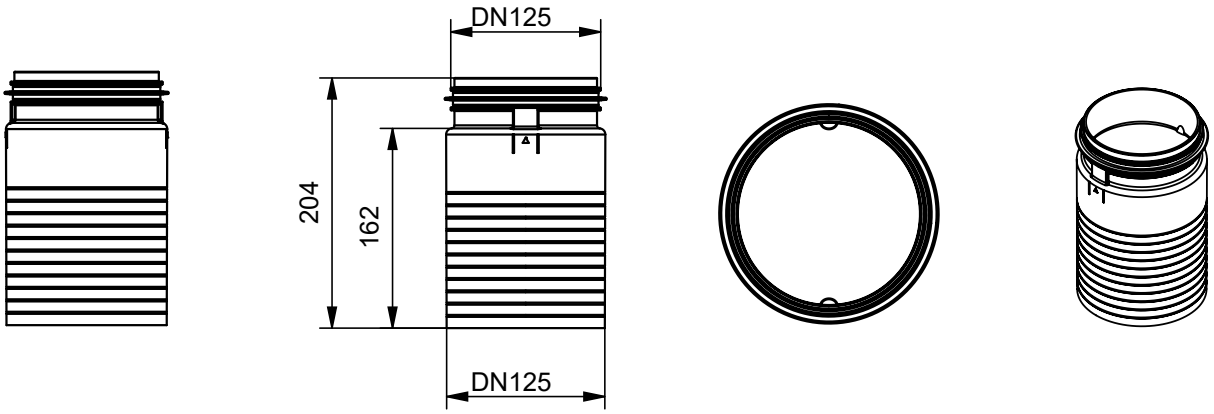
ComfoCase TVA housing, 1xDN90, DN100, lateral, H=162



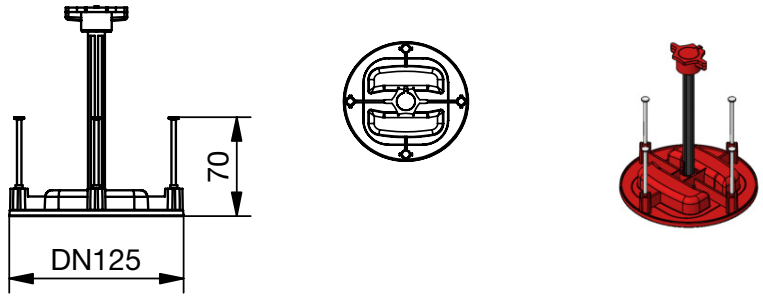
ComfoCase TVA housing, 1xDN90, DN125, straight, H=163



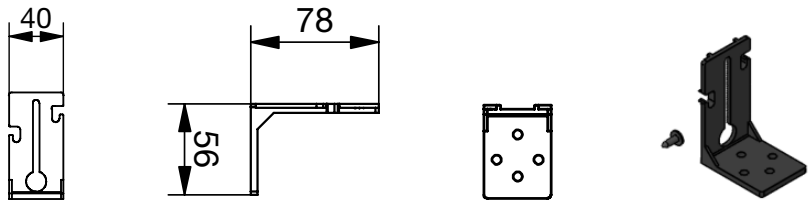
ComfoCase extension TVA-CLRF, DN125, black, polymer



ComfoCase fixing kit for TVA, DN125, for concrete installation, including nails



ComfoCase mounting bracket set for TVA, 10 pieces, including screws

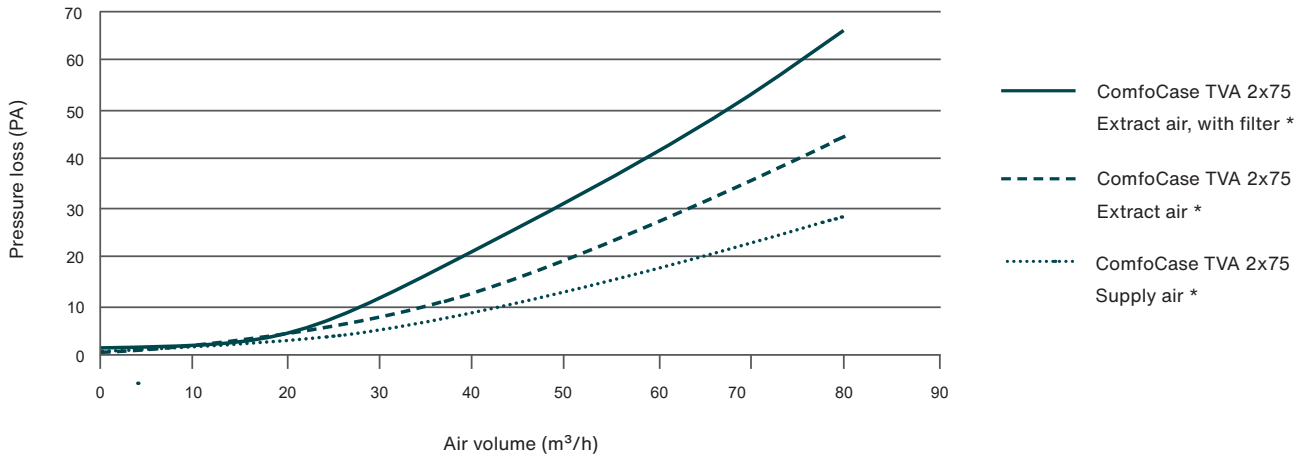


Technical data

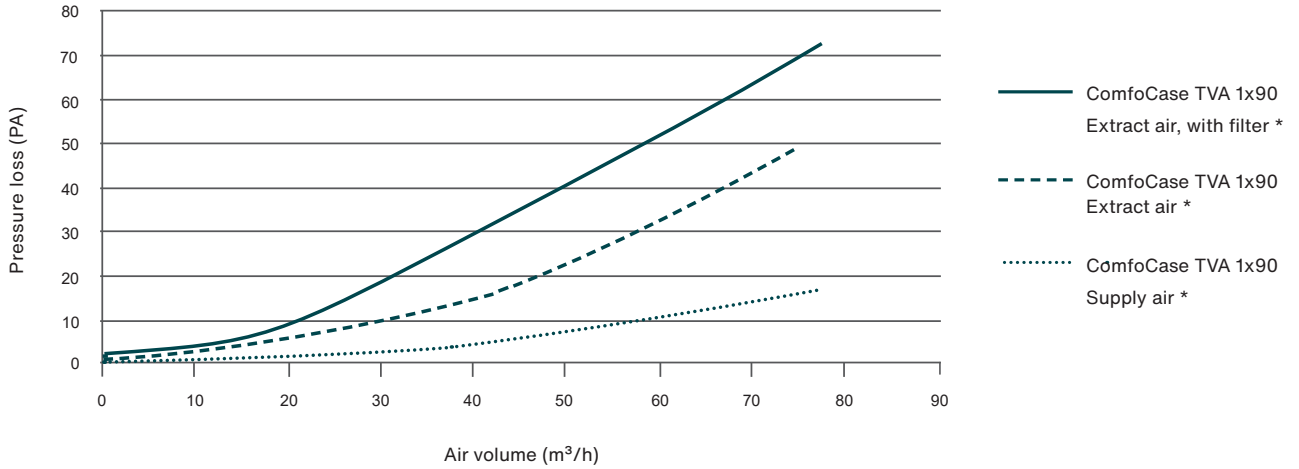
Data	Designation
Housing material	Polyethylene or galvanized metal
Permited operating temperature	-25°C to +60°C
Fire protection class	Class E (According to DIN EN 13501-1)
Air tightness class	Class D

Pressure loss diagram

For Zehnder ComfoCase TVA 2x75

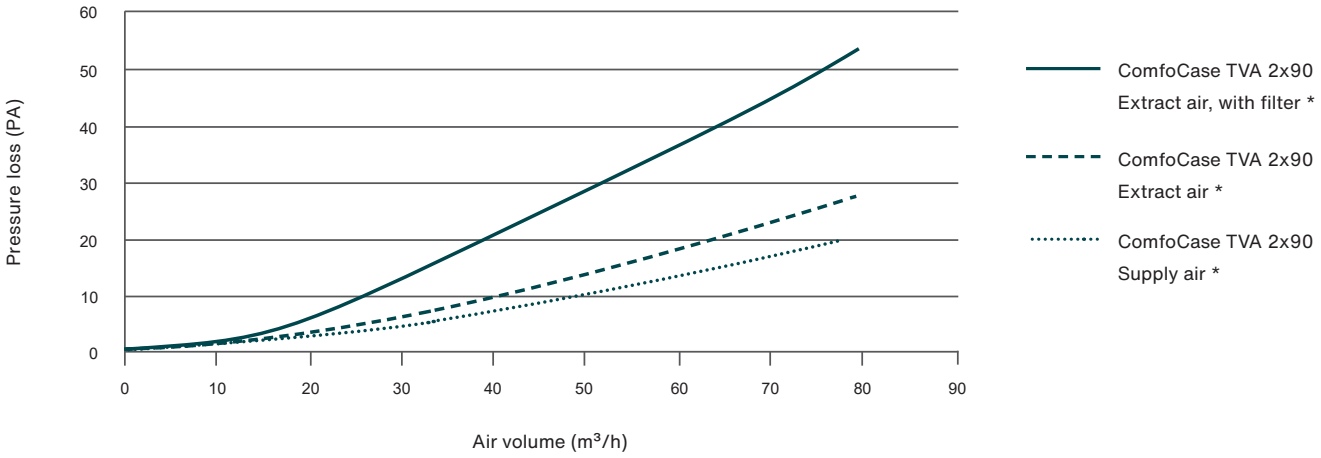


For Zehnder ComfoCase TVA 1x90

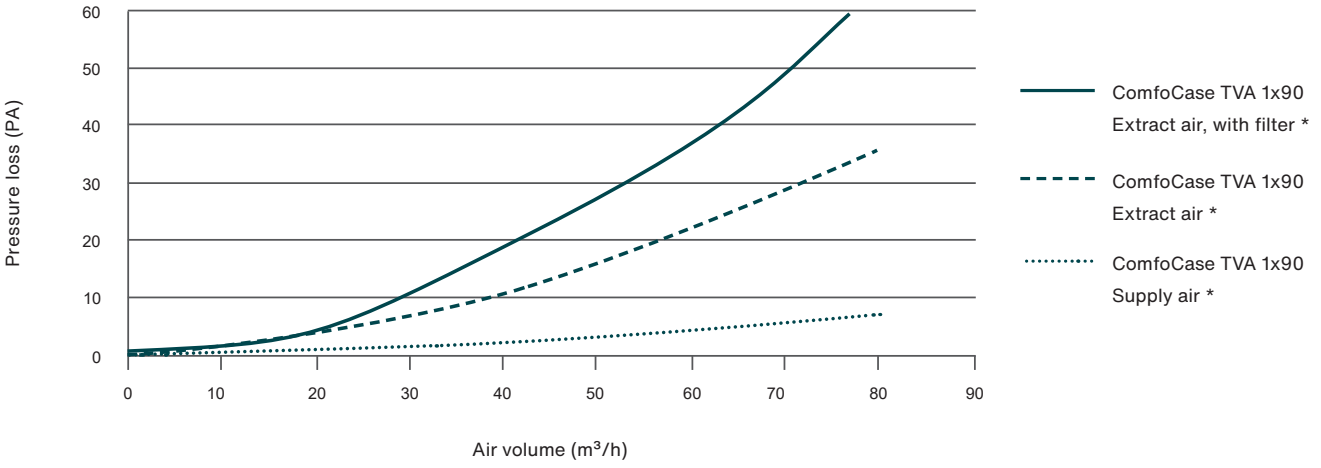


* Enclosure including Zehnder ComfoGrid Design Venezia cover grille

For Zehnder ComfoCase TVA 2x90



For Zehnder ComfoCase TVA 1x90 Straight



* Enclosure including Zehnder ComfoGrid Design Venezia cover grille

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