

Create a healthier, more comfortable home to live in



The ComfoAir Q is a new generation of residential heat recovery ventilation units with intelligent technology and state-of-the-art design. It suits medium to large size homes and includes a high efficiency counter-flow heat exchanger that can recover up to 96% of heat.



ComfoAir Q

heat recovery unit



FANTECH

Intelligent Ventilation

Creating healthy buildings with

zehnder

Optimum Indoor Ventilation

The ComfoAir Q is an intelligent, ultra efficient heat recovery ventilation system that provides a healthier more comfortable indoor space. New integrated technologies help to deliver market leading performance including efficient heat recovery (up to 96%), low noise generation and reduced power consumption. Temperature and humidity sensors allow the unit to respond automatically to changing environmental conditions and deliver low maintenance trouble free operation.

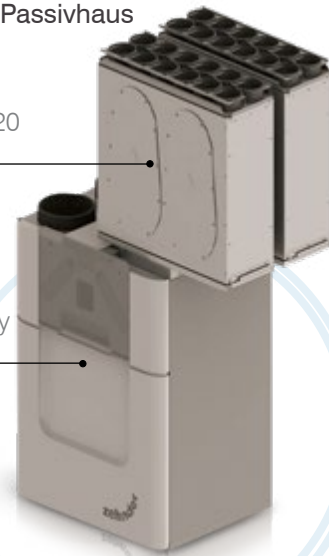
The ComfoAir Q extracts the heat energy, which would have otherwise been lost through the normal exhaust processes, and transfers this to the fresh, filtered supply air which is drawn in from outside.

Features

- 3 sizes available to suit medium to large size homes; Q350, Q450 and Q600
- Unique diamond shaped counter-flow heat exchanger maximises heat transfer whilst minimizing pressure drop
- Fully optimised impeller and housing design ensures effective performance and a highly efficient air flow path
- Automatic 100% filtered bypass
- ComfoWell attenuators ensure quiet operation in all rooms
- Certified as an official Passive House Component by the Passivhaus Institut

ComfoWell 520 attenuators

ComfoAir Q Heat Recovery Unit



Healthier living,
improved
comfort



Efficient
heat
exchanger



Quiet
Operation



Energy Recycle (Winter Operation)

Outside fresh
air supply



Air exhausted
to outside

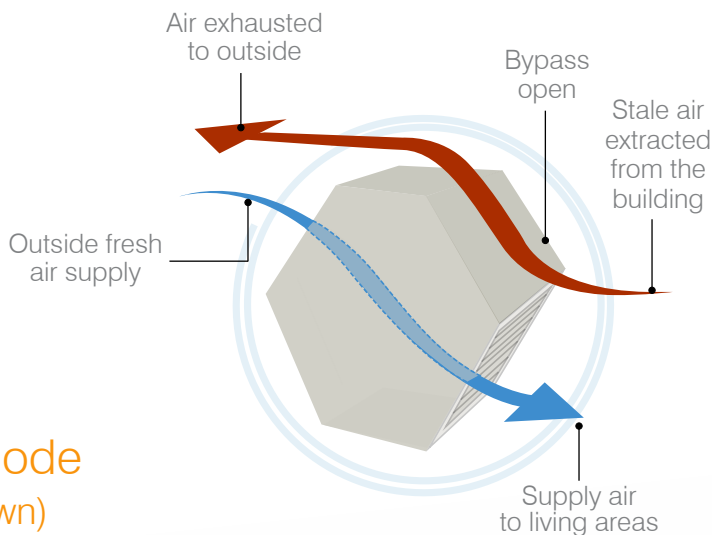
Engineered for Maximum Efficiency

The unique diamond shaped heat exchanger features a larger surface area, which provides a higher level of efficiency. The exchanger features fully optimised channel heights to ensure a constant air flow with lower pressure loss.

The ComfoAir Q, counter-flow exchanger operates in energy recovery mode to maximise heat recovery transfer throughout the year. Summer bypass operation can also be used to allow cooler air to be brought directly into the building, when the inside temperature has increased above the comfort temperature.

- Recovers thermal energy from stale air extracted from the building
- Available with sensible and enthalpy counter-flow exchanger
- Enthalpy counter-flow models also recover latent energy allowing dehumidification in humid climates
- Proportional bypass provides more accurate temperature and humidity control
- Large exchanger size ensures minimal pressure drop, efficient power usage and low noise generation

Summer Bypass Mode



Energy Recovery Mode
(Not Shown)



Technical Data

ComfoAir Q350

Airflow m³/h	Pressure Pa	Power Watts	Sound Level dB(A) @ 3m
150	25	16	16.0
200	50	31	20.1
245	50	43	22.6
250	100	59	24.9
300	100	77	27.6
350	100	98	30.5
250	150	74	26.9
250	200	88	28.9
300	200	108	31.0
350	200	131	33.4

ComfoAir Q450

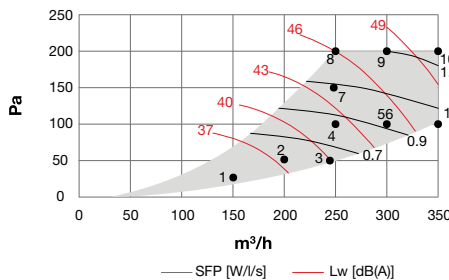
Airflow m³/h	Pressure Pa	Power Watts	Sound Level dB(A) @ 3m
200	25	19	22.0
250	50	37	25.0
300	50	53	27.3
315	50	59	28.0
350	100	89	30.8
400	100	113	33.1
450	100	140	35.6
350	140	106	31.9
350	200	122	33.0
400	200	148	35.2
450	200	177	37.5

ComfoAir Q600

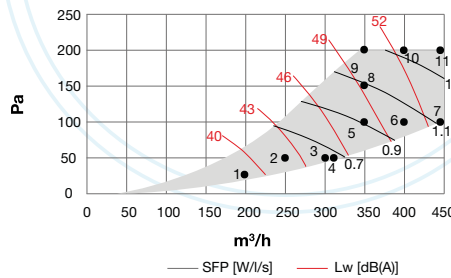
Airflow m³/h	Pressure Pa	Power Watts	Sound Level dB(A) @ 3m
250	25	28	26.3
300	25	44	28.3
350	50	72	30.9
400	50	97	33.0
420	50	107	33.9
450	100	143	35.9
500	100	176	38.1
600	100	254	42.7
450	150	162	36.7
450	200	180	37.5
500	200	215	39.6
600	200	296	43.9

Performance Curves

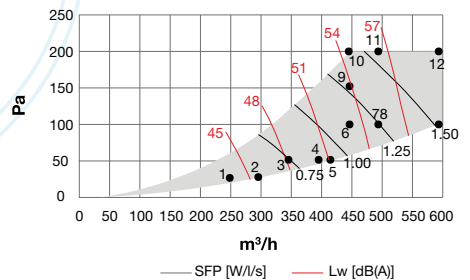
ComfoAir Q350



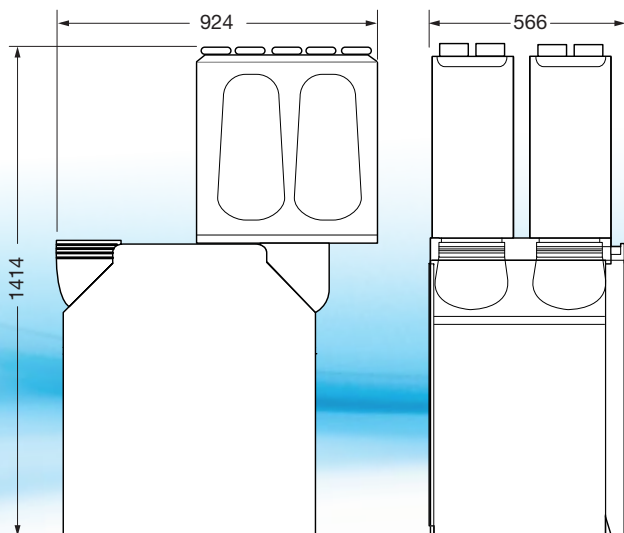
ComfoAir Q450



ComfoAir Q600



Dimensional Data



Dimensions are the same across all 3 models

Dimensions in mm

Specifications

Weight:	50kg
Ducting:	4 x Ø160mm spigots – Q350/Q450 4 x Ø180mm spigots – Q600
Condensate connection:	32mm
Construction:	Internal body - Polythylene Unit housing - ABS
Fan motors:	EC
Filters:	Extract - G4 Supply - F7



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information