Zehnder America

ComfoAir Q
System Reference Guide
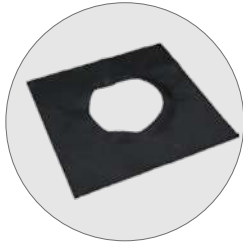
Outside - from H/ERV to both exterior grills

Note: This illustration details a "right-handed install. Q-series units can be installed as "left-handed" or "right-handed" unit.

Inside - from H/ERV to room registers

Note: This illustration details a "right-handed install. Q-series units can be installed as "left-handed" or "right-handed" unit.
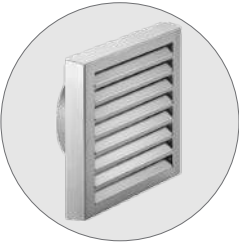
9642-00
Grill, duct diameter
200mm (7.87")

9445-00
Roflex 200mm
gasket

9634-00
ComfoPipe
200mm (7.87")

8" Insulated
galvanized pipe
(NOT supplied by Zehnder)

9636-00
Directional coupler
200mm (7.87")
9711-00
Coupler 200mm (7.87")

9635-00
ComfoPipe
45º bend
200mm (7.87")

9638-00
200-180mm
(7.87"-7.09")
Reducer for 8" pipe
connection

9670-00
F7 Filter - MERV13
(Red) CAQ600

9656-00
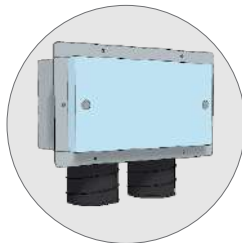ComfoAir Q
internal pre-heater
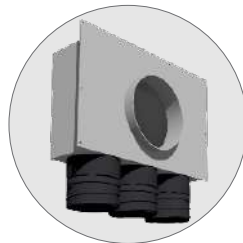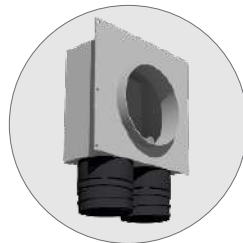*Recommended for
cold climate*

9584-00
Condensate drain kit

9637-00
Waterless trap
c*ondensate drain
connection is
required for HRV's
and recommended for ERV's*

9787-00
RCT-2T Rectangle
register boxes

9790-00
RND-3T Round
register boxes

9789-00
RND-2T Round
register boxes

Roma, Luna and
Venezia diffusers

End plate
125, 150 and 200mm

Silencer
(middle piece)

Manifold for 4, 6, 8, 10
and 12 connections with
twist connector fittings

9501-01
ComfoFlex
3" tubes
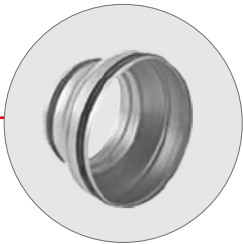
CAQ600

9638-00
200-180mm
(7.87"-7.09")
Reducer for 8" pipe
connection

8" Galvanized pipes
Y or T connections and reducers
(these galvanized duct parts from the reducer
to the manifolds are NOT supplied by Zehnder)

9671-00
G4 Filter - MERV7
(black) CAQ600

9573-00
Q Stand (350, 450,
600) for floor install

1

Simplicity from design to maintenance

Zehnder ComfoAir Q is simple to plan and install as well as convenient to set up and operate. Plug-and-play installation, guided commissioning, easy maintenance and remote monitoring make your work enjoyable in every respect and are guaranteed to leave you with satisfied customers - not to mention Zehnder's quality guarantee, technical expertise and first-class support.
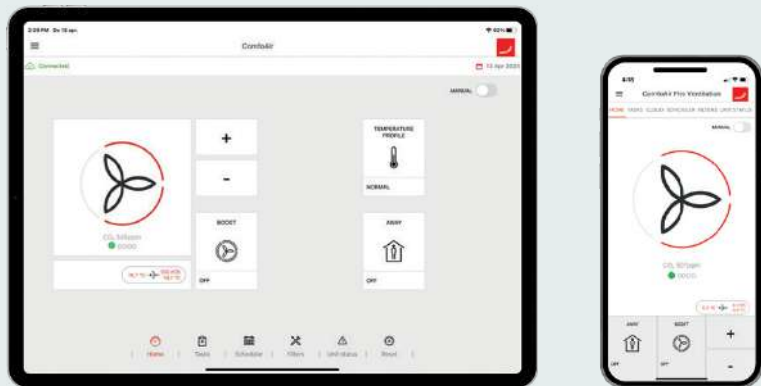
Zehnder app control enables easy commissioning as well as convenient operation and monitoring - no matter where you are.

Always in control with Zehnder ComfoAir Q

✓ **Convenient operation due to various control options**

✓ **Simple performance monitoring via smart sensors**

✓ **Easy maintenance that can also be monitored remotely**

Thanks to the commissioning wizard and professional support from Zehnder, installation and startup are a breeze.

3

Professional planning support

Zehnder assists you throughout the planning phase of your indoor ventilation project. The fulfillment of modern building standards such as optimum energy efficiency and the best sound insulation are always taken into account. A wide range of planning options give you full viability and control over the final product.

Flexible installation

Different models with air volumes of 350, 450 and 600 m³/h flexibly adapt to every project. The connections can be changed from right to left, so that everything fits even if the installation situation changes. Zehnder products are perfectly harmonized and self- explanatory. Full interface compatibility reduces the risk of incorrect installations.

Easy commissioning

The intuitive display with integrated start-up wizard assists you in setting up the ventilation system on-site exactly as required. The commissioning process concludes with an automatic system test and confirmation. This allows you to put the ventilation unit into operation easily, quickly and safely.
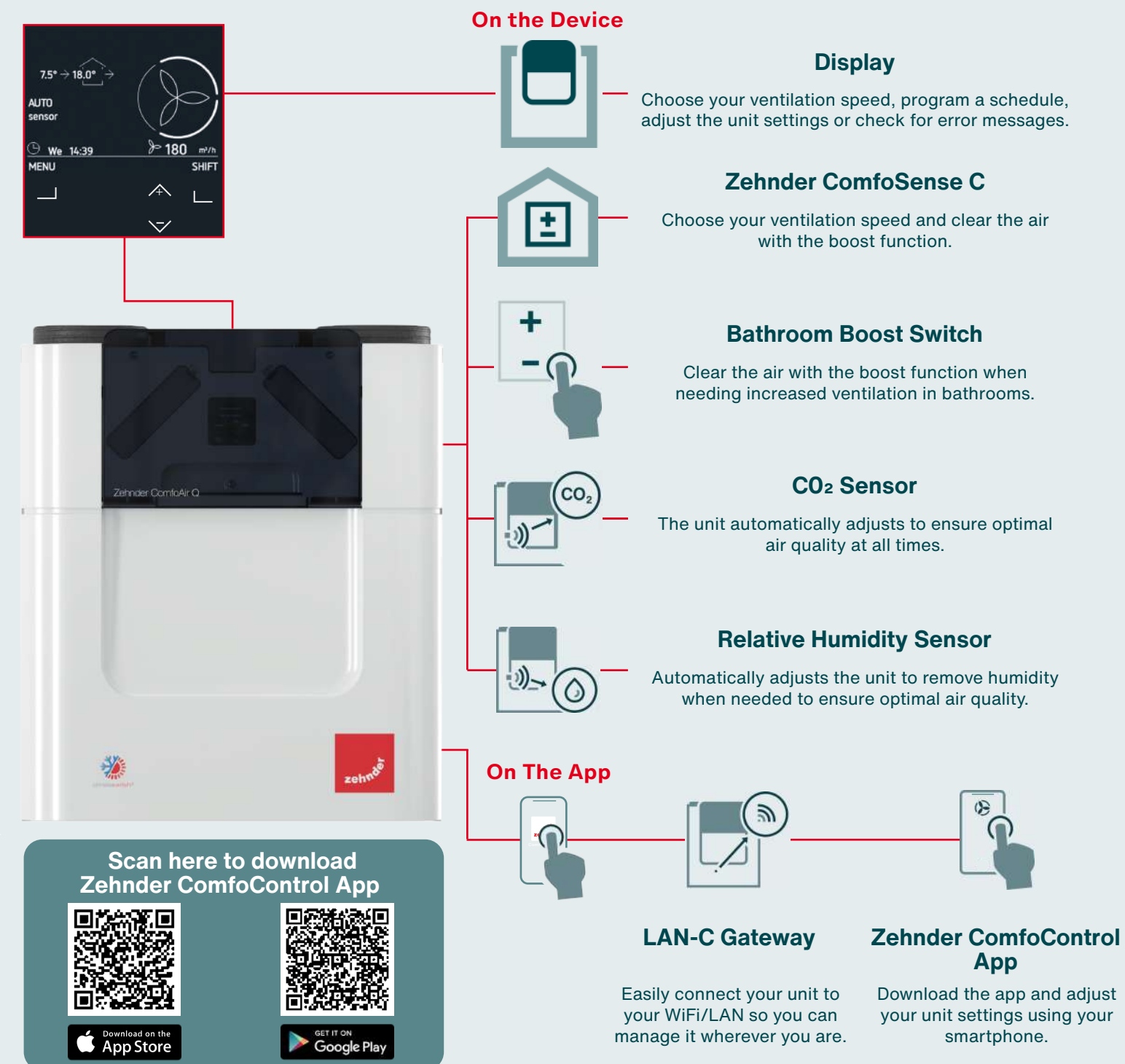
Simple maintenance

Maintenance can be done both manually and remotely. Via the Zehnder web portal or the Zehnder ComfoControl App, you can monitor the current status of the ventilation flow rates, temperatures, filters and external sensors. That allows you to better plan ahead. Of course, all components of the ventilation unit are easy to access, clean and replace.

Easy operation from switch to app

Give your customers the right operating solution whatever their needs. The extensive range of possibilities includes anything from a simple display direct on the unit to fully automatic demand-controlled sensor technology ventilation – and even a practical mobile app for when you're on the move.

On the Device

Display

Choose your ventilation speed, program a schedule, adjust the unit settings or check for error messages.

Zehnder ComfoSense C

Choose your ventilation speed and clear the air with the boost function.

Bathroom Boost Switch

Clear the air with the boost function when needing increased ventilation in bathrooms.

CO₂ Sensor

The unit automatically adjusts to ensure optimal air quality at all times.

Relative Humidity Sensor

Automatically adjusts the unit to remove humidity when needed to ensure optimal air quality.

On The App

Scan here to download Zehnder ComfoControl App

Download on the App Store

GET IT ON Google Play

LAN-C Gateway

Easily connect your unit to your WiFi/LAN so you can manage it wherever you are.

Zehnder ComfoControl App

Download the app and adjust your unit settings using your smartphone.

Perfect ventilation

Outstanding ventilation performance for any building size – that's exactly what the flexible Zehnder ComfoAir Q ventilation unit with heat recovery offers with ease. Highly efficient and thus energy-saving and cost effective, Zehnder ComfoAir Q provides optimum home comfort with quiet operation. With comprehensive expansion possibilities, it lays the foundation for an excellent indoor climate experience.

Modern buildings are built to be as energy efficient as possible. However, effective thermal insulation and an almost air-proof building envelope prevent the sufficient exchange of fresh air. Optimized indoor ventilation with Zehnder ComfoAir Q is the perfect solution to sustainably preserving both the health of the occupants and the building structure.

Poor indoor air quality is proven to have negative effects on physical and cognitive health.

✓ **Healthy, balanced indoor climate**

✓ **Reliable protection against pollen, fine dust and other contaminants**

✓ **Complete solutions with perfect integration**

✓ **Significant reduction of noise, power consumption and associated costs**

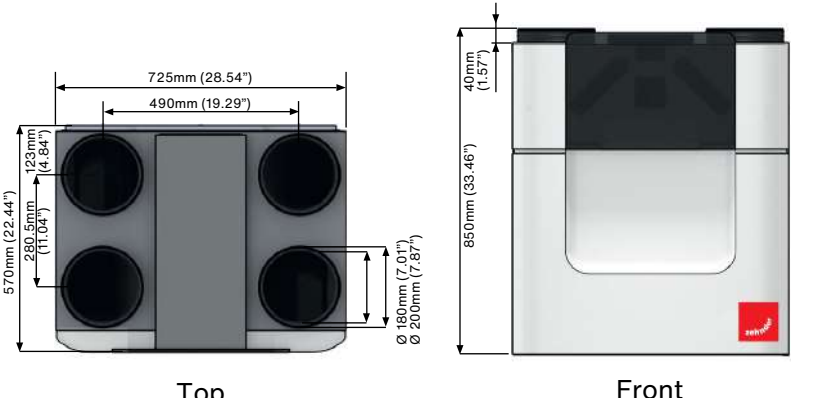✓ **Easy operation, intuitive handling**

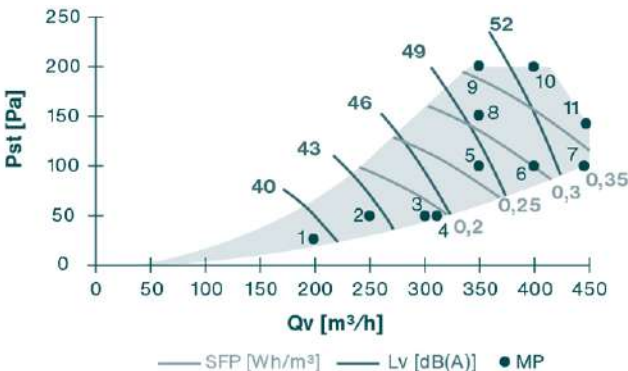## Zehnder ComfoAir Q350 TR

Top   Front

Zehnder ComfoAir Q450 TR

Top   Front
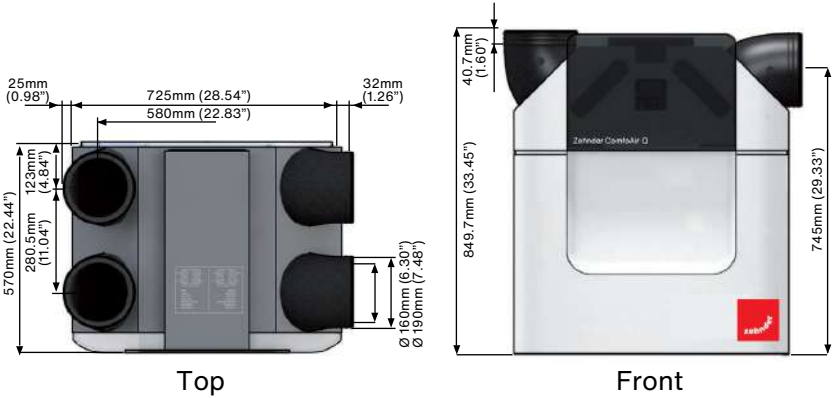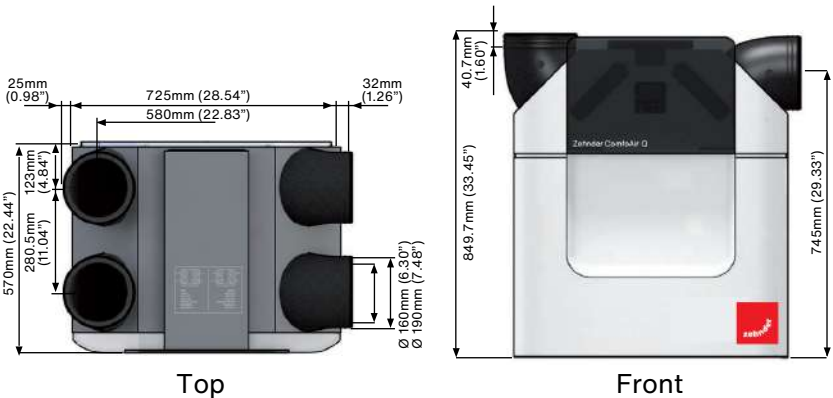
Zehnder ComfoAir Q600 ST

Top   Front

Technical data

Zehnder ComfoAir Q350 TR[2]

MP	Qv [m³/h]	Qv [cfm]	Pst [Pa]	P [W]	Lw[1] Unit emissions [dB(A)]
1	150	88	25	13	34
2	200	118	50	30	38
3	245	144	50	42	41
4	250	147	100	58	43
5	300	176	100	77	46
6	350	206	100	100	49
7	250	147	150	71	45
8	250	147	200	85	47
9	300	176	200	106	49
10	350	206	200	131	52
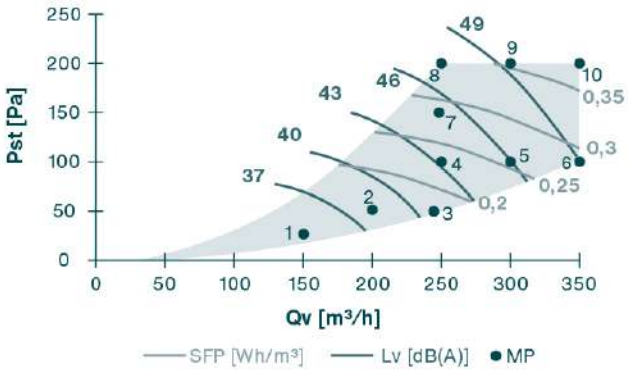
Zehnder ComfoAir Q450 TR[2]

MP	Qv [m³/h]	Qv [cfm]	Pst [Pa]	P [W]	Lw[1] Unit emissions [dB(A)]
1	200	118	25	17	39
2	250	147	50	37	42
3	300	176	50	55	45
4	315	185	50	61	45
5	350	206	100	94	48
6	400	235	100	121	51
7	450	264	100	152	53
8	350	206	150	110	49
9	350	206	200	127	51
10	400	235	200	156	53
11	450	235	140	166	54

Zehnder ComfoAir Q600 ST[2]

MP	Qv [m³/h]	Qv [cfm]	Pst [Pa]	P [W]	Lw[1] Unit emissions [dB(A)]
1	250	147	25	21	43
2	300	176	25	36	45
3	350	206	50	64	48
4	400	235	50	87	50
5	420	247	50	98	51
6	450	235	100	134	53
7	500	294	100	166	55
8	600	353	100	243	60
9	450	235	150	153	54
10	450	235	200	173	55
11	500	294	200	207	57
12	600	353	200	287	61
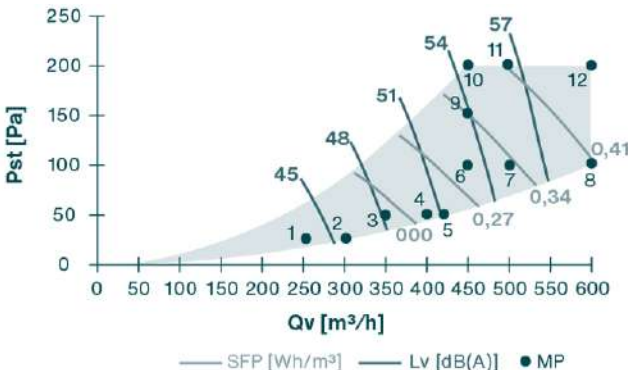
LLw in dB(A) reference 10⁻¹²W, SFP [w/(m3/h)] calculated using data measured in accordance with EN 13141-7: 2010 | 1 Lw in dB(A); sound, supply air/extract air measured in accordance with ISO 5135:1997 (including end reflection) | 2 Zehnder ComfoAir Q with G4/G4 (ISO Coarse ≥ 65%) filter and pre-heater | MP = Measurement Point

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