Comfosystems
Zehnder ComfoAir Compact

Fresh intelligence, designed especially for the smaller modern home

zehnder

always
around you

Heating | Cooling | Fresh Air | Clean Air

Zehnder ComfoAir Compact: Facts and figures

The Zehnder ComfoAir Compact range has been designed especially to suit the smaller modern home, with discreet, compact features to blend with the indoor environment.

Discreet design

Touch of a button controls

1 Easy design

Zehnder ComfoAir Compact is an elegant, discreet and compactly designed range consisting of 3 models for apartments and houses with outstanding Specific Fan Power (SFP) and Heat Exchange efficiencies. A solution for the kitchen cupboard, easily sited, easily installed and easily accessed. With 100 % variable airflow setting it is easy to set-up Zehnder ComfoAir Compact accurately to comply with regulations. Zehnder ComfoAir Compact works with the installed environment rather than on generic settings. This reduces the cost when other units would boost.

2 Summer bypass

“smart” summer bypass will allow the supply air to bypass the heat exchanger and provide the homeowner’s further comfort of fresh, filtered air. This technology is activated automatically with the unit monitoring temperature and humidity within the home. The activation point is typically 22 ˚C.

3 Frost protection

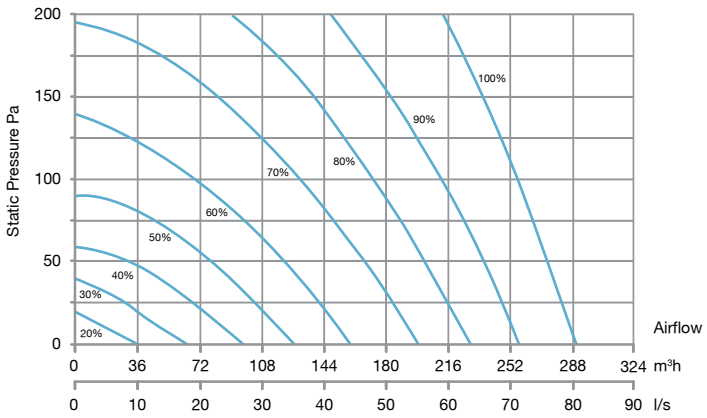
The “smart” winter technology will increase the airflow by 5 % as the external temperature drops towards 0 ˚C. If the intake temperature drops to 0 ˚C or under, Zehnder ComfoAir Compact will initially continue to offset the balance of airflow by slowing supply air by 2 % of the commission rate. If temperature continues to drop, the supply fan will disable and continue to extract only. Zehnder ComfoAir Compact will monitor the temperature and once it returns to 0 ˚C it will rebalance back to original airflow rates.

4 Fuss-free installation & maintenance

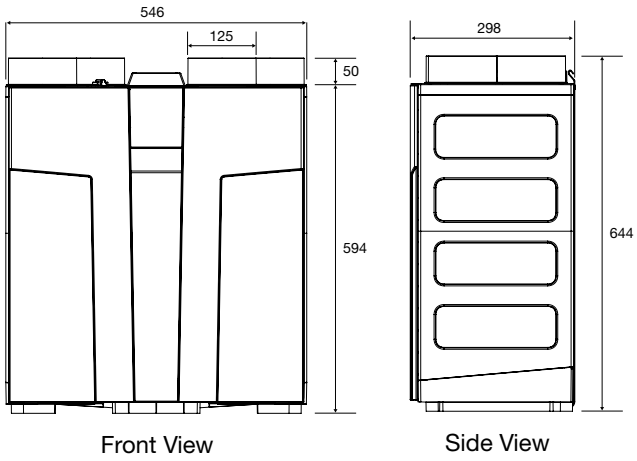
Zehnder ComfoAir Compact includes the most innovative version of “smart” commission technology. A clever LCD control button takes you through a step-by-step process for the set-up and commissioning. So simple and quick, that everything is done at the touch of a button – even the handing of the unit for right or left configuration through DISO (Dual Inlet Single Outlet) technology. Brackets are inclusive to save valuable install time. The integral and replaceable filters ensure filtered air before entering the property.

Zehnder ComfoAir Compact - CA155WM

Performance



Dimensions



Physical specification

- Weight: 20 kg
- Material: ABS outer casing

Electrical specification

- 230V~50Hz Class II

Wiring: Must comply with local wiring regulations
Fuse: 3 Amp (when unit is supplied from a 6A lighting circuit, no local fuse is required)
IPX1

Installation

- Supplied with fixing bracket to allow screw fixing for increased support
- Install using rigid aluminium, PVC, galvanised or semi-rigid plastic ducting
- Install in wall or cupboard space
- Installation and user manuals supplied with each unit

Data table

Zehnder ComfoAir Compact - CA155WM	Airflow m³h	Airflow l.s	Sound pressure level @3m dB(A)	Energy Consumption (W)
Trickle speed	68.4	19	22.9	16
Boost speed	176.4	49	37.1	62.8
Max	-	-	45.7	160

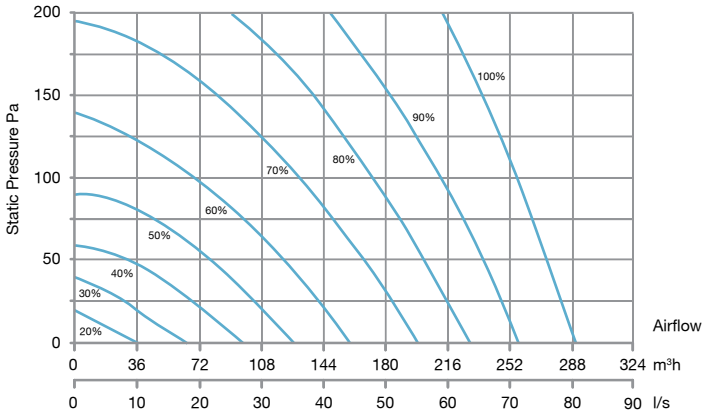
Accessories

ZGS2	2 position switch available for controlling unit between trickle and boost speed	
GD813	125 mm PVC rigid pipe - 1.5 m length	
HR155FIL	Filter for Zehnder ComfoAir Compact - CA155WM	
HR155EX	Heat exchanger for Zehnder ComfoAir Compact - CA155WM	

All Zehnder Comfosystems ducting is compatible with Zehnder ComfoAir Compact

Zehnder ComfoAir Compact - CA155CM

Performance



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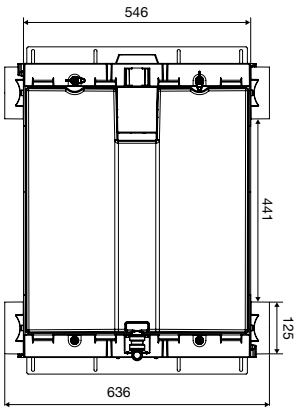
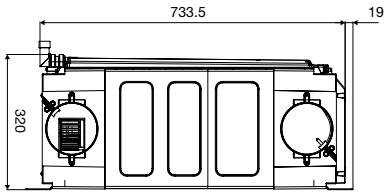


Front View



Side View

Physical specification

- Weight: 20 kg
- Material: ABS outer casing

Electrical specification

- 230V~50Hz Class II

Wiring: Must comply with local wiring regulations
Fuse: 3 Amp (when unit is supplied from a 6A lighting circuit, no local fuse is required)

Installation

- Supplied with fixing bracket to allow screw fixing for increased support
- Install using rigid aluminium, PVC, galvanised or semi-rigid plastic ducting
- Install in ceiling void
- Installation and user manuals supplied with each unit

Data table

Zehnder ComfoAir Compact - CA155CM	Airflow m³h	Airflow l.s	Sound pressure level @3m dB(A)	Energy Consumption (W)
Trickle speed	68.4	19	18	15
Boost speed	176.4	49	32.5	56
Max	-	-	41.5	160

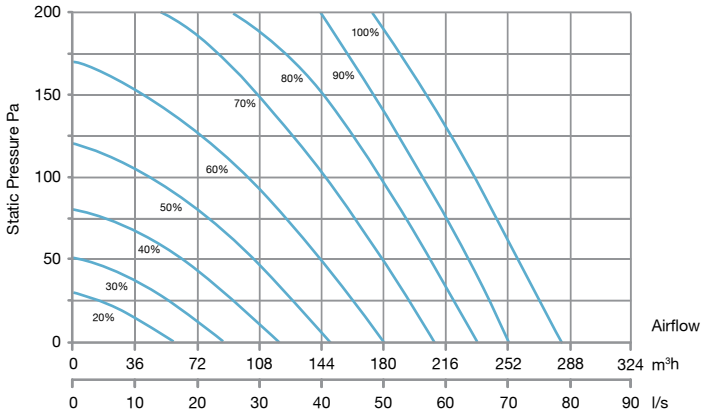
Accessories

ZGS2	2 position switch available for controlling unit between trickle and boost speed	
GD813	125 mm PVC rigid pipe - 1.5 m length	
HR155FIL	Filter for Zehnder ComfoAir Compact - CA155CM	
HR155EX	Heat exchanger for Zehnder ComfoAir Compact - CA155CM	

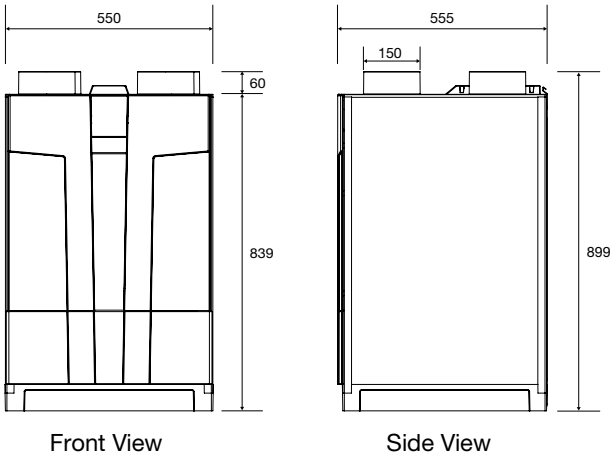
All Zehnder Comfosystems ducting is compatible with Zehnder ComfoAir Compact

Zehnder ComfoAir Compact - CA185WM

Performance



Dimensions



Front View

Side View

Physical specification

- Weight: 30 kg
- Material: ABS outer casing

Electrical specification

- 230V~50Hz Class II

Wiring: Must comply with local wiring regulations
Fuse: 3 Amp (when unit is supplied from a 6A lighting circuit, no local fuse is required)
IPX1

Installation

- Supplied with fixing bracket to allow screw fixing for increased support
- Install using rigid aluminium, PVC, galvanised or semi-rigid plastic ducting
- Install in wall or cupboard space
- Installation and user manuals supplied with each unit

Data table

Zehnder ComfoAir Compact - CA185WM	Airflow m³h	Airflow l.s	Sound pressure level @3m dB(A)	Energy Consumption (W)
Trickle speed	100.8	28	22.5	14.2
Boost speed	212.4	59	38	61.4
Max	-	-	46	160

Accessories

ZGS2	2 position switch available for controlling unit between trickle and boost speed	
GD913	150 mm PVC rigid pipe - 1.5 m length	
HR185FIL	Filter for Zehnder ComfoAir Compact - CA185WM	
HR185EX	Heat exchanger for Zehnder ComfoAir Compact - CA185WM	

All Zehnder Comfosystems ducting is compatible with Zehnder ComfoAir Compact

Smart Technology = smart sense

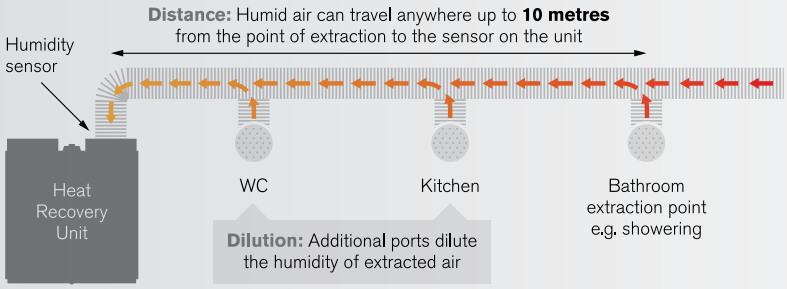
“Smart” Humidity sensor

A revolutionary development in controlling ventilation by monitoring rapid rises in relative humidity rather than a set RH level that can be triggered by climate changes on humid days, when boost mode is not required.

As well as saving money by working only when the humidity levels rise due to man-made activity, the effectiveness of the sensor is greatly improved when used in conjunction with ducting.

Distance and Dilution

Generally humidity sensors are located in the unit, which can be up to 10 metres away from the source. By the time the air has travelled to the sensor the humidity levels may have dropped below standard RH sensor activation points. Air in the duct can also be affected by dilution due to additional extract ports from other rooms, mixing dry air with the humid air before it reaches the sensor.



The Zehnder ComfoAir Compact “Smart” Humidity sensor deals with humidity based on the installed environment and therefore distance and dilution have little or no impact on the “smart “ sensor operation.

“Smart” Timer sensor

This is a logical approach to overrun timing in domestic ventilation systems. “Smart” timer technology eliminates nuisance noise and over-ventilation by using duration of occupancy to determine the time the system boosts/overruns rather than a pre-set generic time period. For example: In the bathroom for 5 minutes, overruns for 5 minutes – rather than in the bathroom for 5 minutes and overrunning for 15 minutes.

Heat recovery with a fresh and intelligent edge

Zehnder ComfoAir Compact incorporates a fusion of sensors, controls and design features that bring simplicity and assurance of a better ventilation solution for good indoor air quality throughout the year.

Zehnder ComfoAir Compact offers many benefits:

- Discreet and compactly designed for apartments and houses
- Unnecessary energy usage achieved through the operation of unique “smart” humidity and timer control options
- 100% variable airflow setting, easy to set up accurately to meet regulations
- Intelligent Wizard controls for set up in only 8 steps, with easy to use turn and push button with LCD display
- The “smart” summer technology bypasses the heat recovery function, but continues to filter the air
- Protecting the unit through the winter months, “smart” winter technology will adjust the airflow depending on temperature and humidity to maximise performance
- Quick install with DISO (Dual Inlet Single Outlet) technology, right to left hand configuration at the touch of a button
- A completely outstanding and long-term investment in product specification and good indoor air quality

Product overview

Zehnder ComfoAir Compact - CA155WM

Zehnder ComfoAir Compact - CA185WM

Zehnder ComfoAir Compact - CA155CM

Z_ZGIS_V0813_CSY_PBR_ComfoAir_Compact, en, subject to change without notice

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