



TWINFRESH
COMFO
RB1-50-14

TWINFRESH
COMFO
RB1-85-14

TWINFRE

Power from

4.5 W

Air flow up to

50 m³/h

Sound pressure level from

13 dBA

Power from

4.74 W

Air flow up to

85 m³/h

Sound pressure level from

19 dBA



The TwinFresh Comfo user-friendly ventilator ensures fresh and clean air with an ideal level of humidity in your house.

SH



**FUNCTIONAL
AND RELIABLE**



UNIVERSAL

Many units can be connected to one network.

EFFICIENT

The ventilator can operate in a passive supply mode: the air shutters are open providing a natural air flow.



USER-FRIENDLY

The design of the unit allows easy maintenance of the ventilator.



The humidity threshold in the room can be controlled by choosing one of three modes on the remote control.



Night mode
The ventilator switches to the first speed in the dark time of the day.



Easy mounting of the mounting plate by means of magnets.

EASY CONTROL



The TwinFresh Comfo series ventilators are equipped with a remote control.

Operation modes:

- Night mode

The integrated light sensor sends a signal to switch the ventilator to low speed mode.
- Speed switching
- Passive air supply

In this mode the shutters are open, but the fan does not operate.
- Air supply

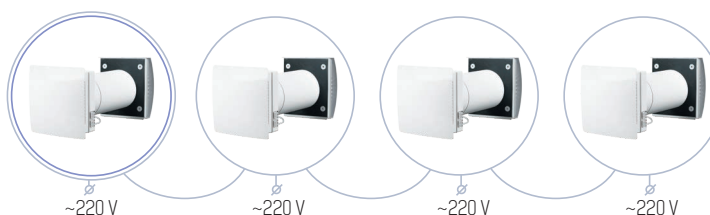
In this mode all ventilators will operate in supply mode irrespective of the maximum air supply setting.
- Ventilation

All the ventilators in the network operate in permanent air extract or air supply mode. To ensure balanced ventilation at the stage of installation it is advisable to set one half of the ventilators to air supply mode and the other part of the ventilators to air extract mode.
- Ventilation with heat recovery
- Humidity control mode selection

LOW MEDIUM HIGH

To provide centralised control all ventilators should be connected to one network.

However, only Master responds to the signals from the control panel, the remote control, and the humidity sensor.





Simple mounting – you need only to mount it, plug into a socket and use!



The unit properly operates at temperatures up to -20 °C (-30 °C if it is equipped with a ventilation hood for cold climate).



Many units can be connected to one network by control cables.



Automatic drafts shutoff when the ventilator is off.



Ventilation of premises with the area of about 40 m² (the area is approximate and depends on the ventilation standards in your country).



High efficiency – up to 90%.



Integrated humidity sensor for the automated unit operation.



Control is provided by the remote control or buttons on the casing.



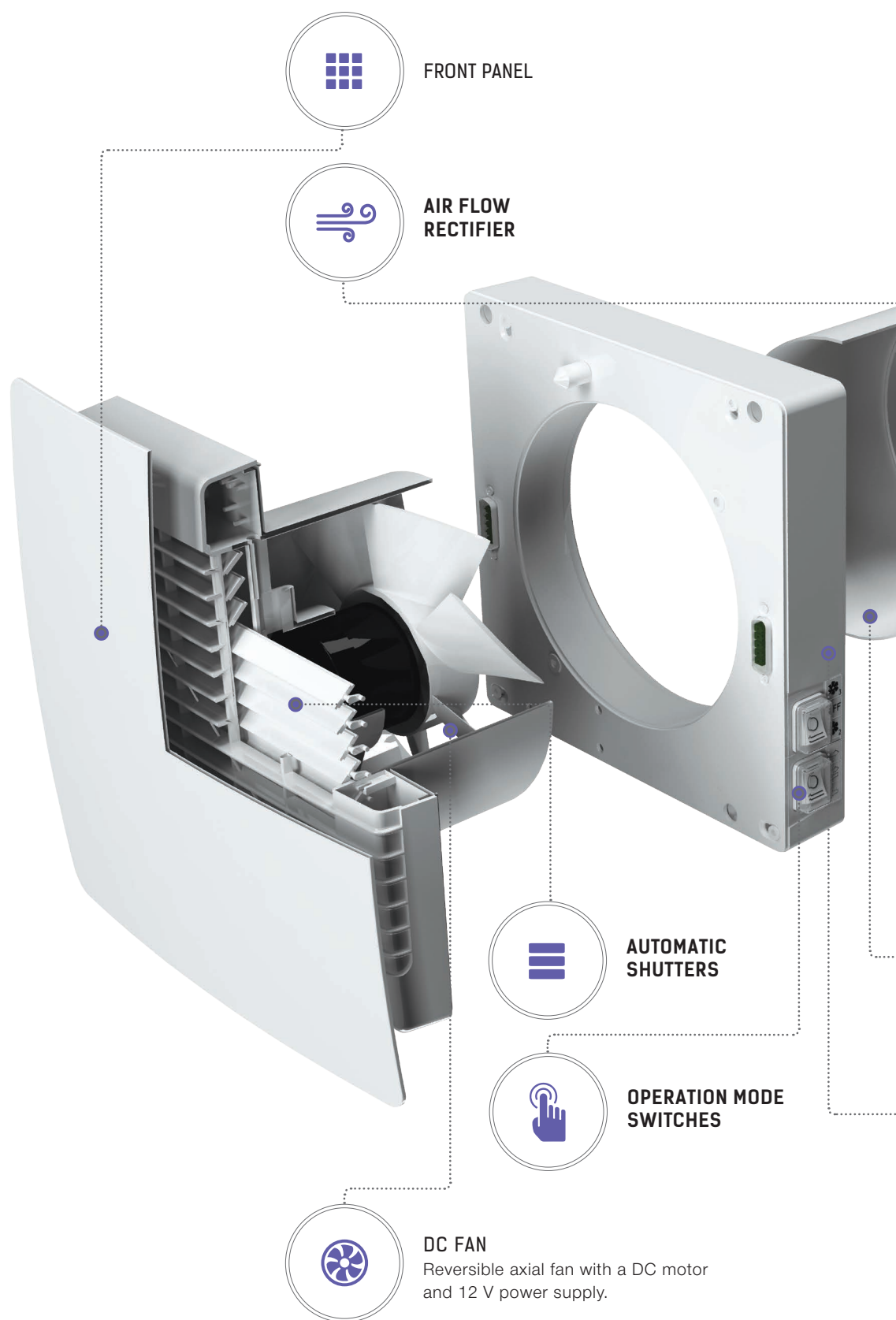
Noise level is from 13 up to 34 dBA.

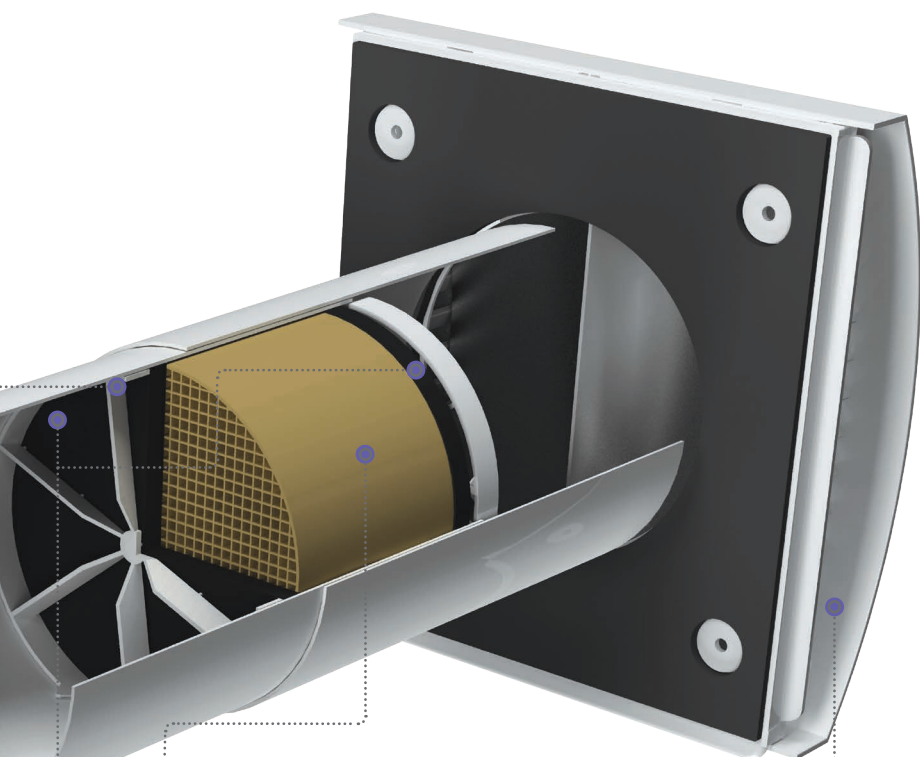


F8 filter of high filtration efficiency can additionally purify supply air.

ADVANTAGES

HOW IS IT DESIGNED?





CERAMIC REGENERATOR

High-tech ceramic energy regenerator with the regeneration efficiency of up to 90%



FILTERS

The G3 air filter provides supply and extract air filtration.

F8 filter is available as an option.



AIR DUCT



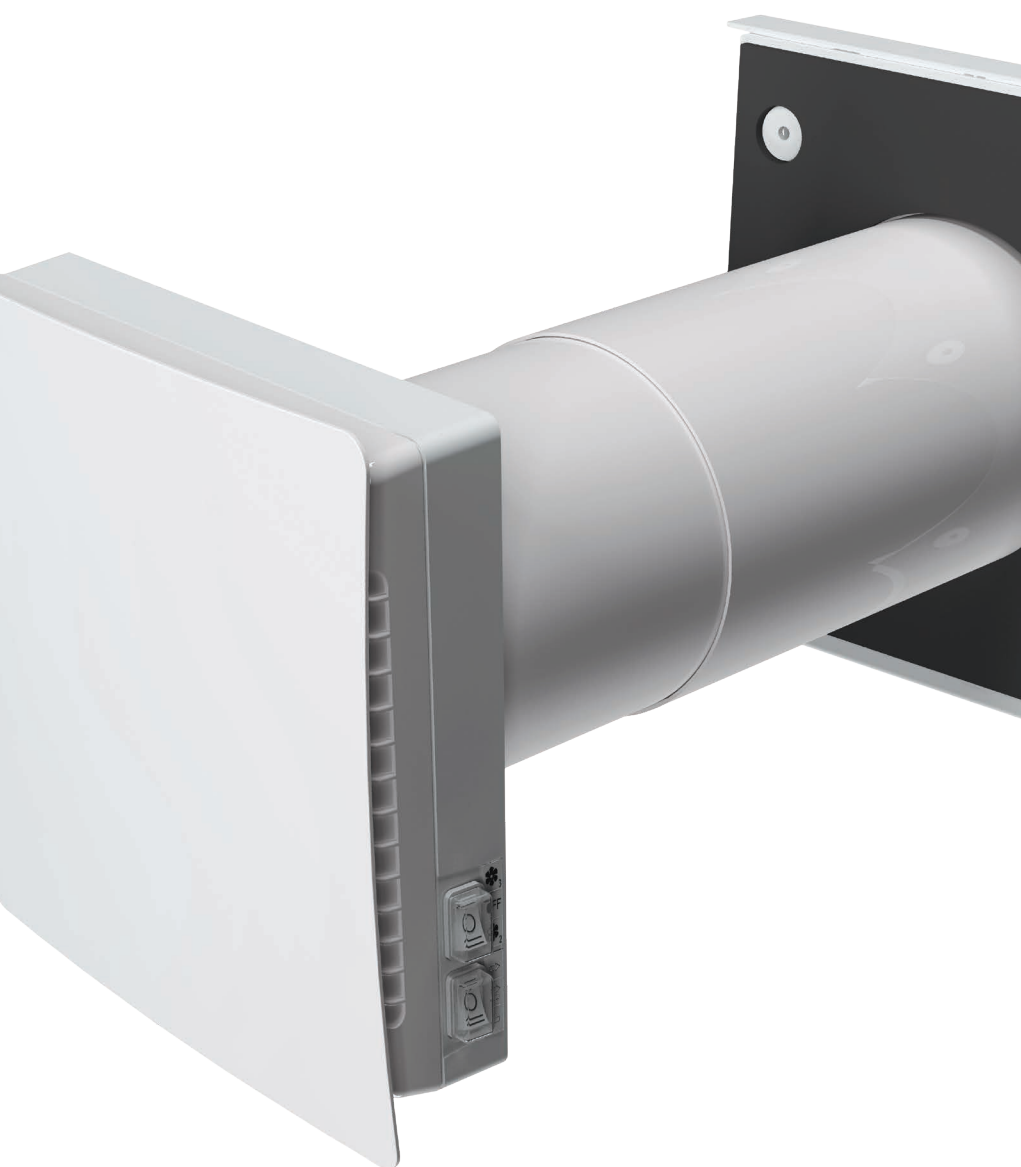
MOUNTING PLATE

Used as a mounting box for installation the ventilation unit on the wall and connecting the ventilator to power supply.



OUTER HOOD

Protects the ventilator from ingress of water and foreign objects.

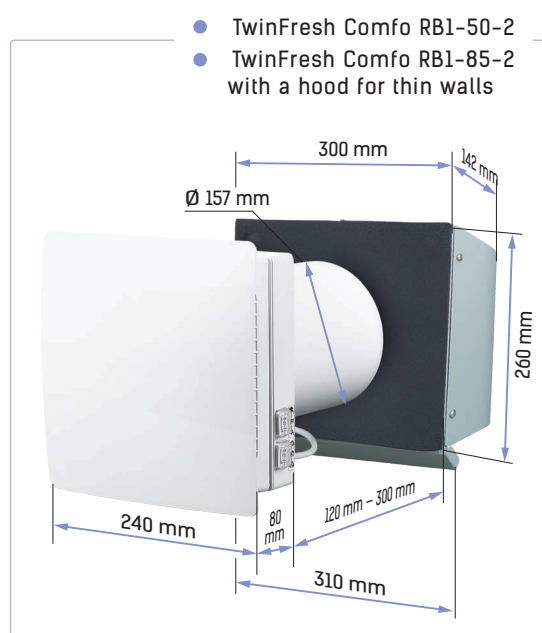
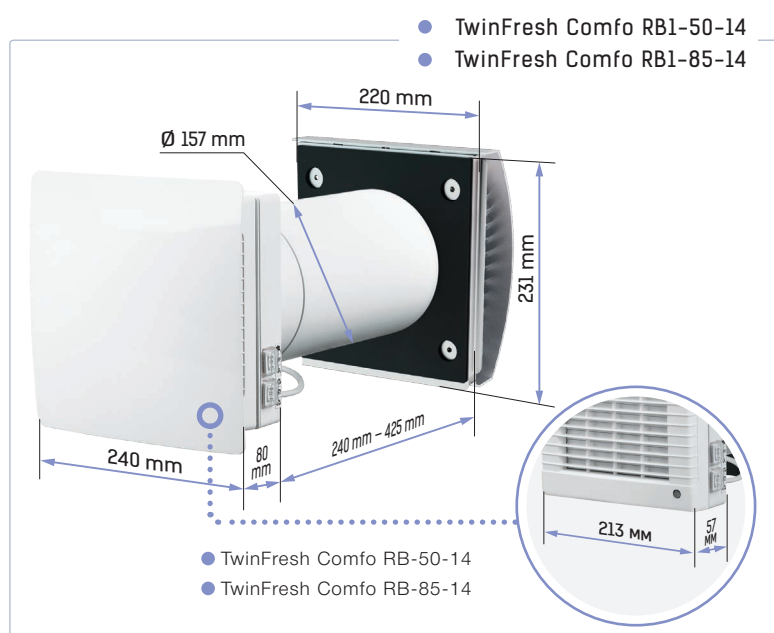


TECHNICAL DATA

Model	TwinFresh Comfo RB1-50-14			TwinFresh Comfo RB1-85-14		
Speed	I	II	III	I	II	III
Unit voltage [V/50 (60) Hz]	100-240 / 50-60			100-240 / 50-60		
Power [W]	4.5	5	7	4.74	6.56	9.65
Current [A]	0.024	0.026	0.039	0.034	0.050	0.071
Air flow in ventilation mode [m³/h (l/s)]	21 (6)	32 (9)	50 (14)	36 (10)	59 (16)	85 (24)
Air flow in energy recovery mode [m³/h (l/s)]	11 (3)	16 (4)	25 (7)	18 (5)	30 (8)	43 (12)
SFP [W/l/s]	1.54	1.12	1.01	0.95	0.8	0.82
Filter	G3 (F8 optional)					
Transported air temperature [°C]	-20*...+40					
Sound pressure level at 1 m distance [dBA]	22	29	32	29	35	44
Sound pressure level at 3 m distance [dBA]	13	20	23	19	25	34
Outdoor sound pressure attenuation in accordance with DIN EN 20140 [dBA]	40					
Heat recovery efficiency in accordance with DIBt LÜ-A 20 [%]	≤ 88			≤ 90		
Protection class	IP24					

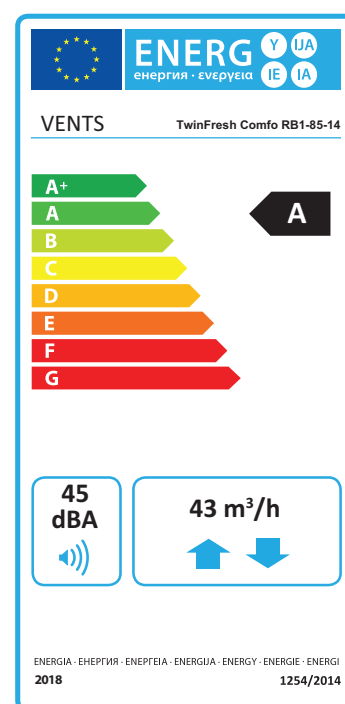
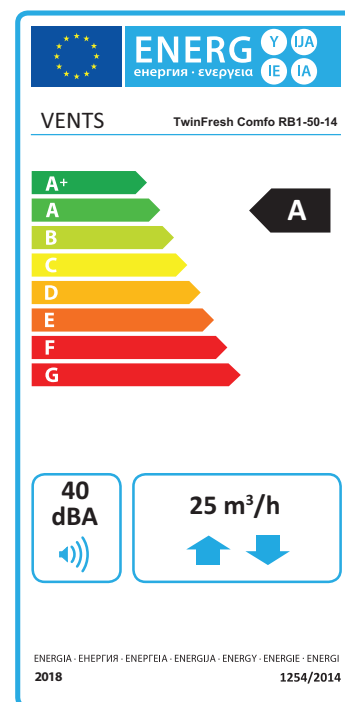
* -30 °C when the EH-13 hood is applied.

OVERALL DIMENSIONS























ECODESIGN



Model	TwinFresh RB1-50-14						TwinFresh RB1-85-14					
Specific energy consumption (SEC) [kWh/(m².a)]	Cold		Average		Warm		Cold		Average		Warm	
	-81	A+	-39	A	-14	E	-78	A+	-38	A	-15	E
Type of ventilation unit	Bidirectional											
Type of drive installed	Three-speed											
Type of heat recovery system	Regenerative											
Thermal efficiency of heat recovery [%]	80						69					
Maximum air flow rate [m³/h]	25						43					
Power [W]	7						9.65					
Sound power level [dBA]	40						45					
Reference air flow rate [m³/s]	0.004						0.008					
Reference pressure difference [Pa]	0						0					
Specific power input (SPI) [W/(m³/h)]	0.313						0.222					
Control typology	Local automatic control											
Maximum internal leakage rate [%]	2.7											
Maximum external leakage rate [%]	0											
Mixing rate of bidirectional units [%]	1											
The classification of the airflow sensitivity to pressure variations, according to EN 13141-8 [%]	-											
The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m³/h]	-											
Internet address	http://www.ventilation-system.com											
The annual electricity consumption (AEC) [kWh electricity/a]	Cold	Average		Warm		Cold	Average		Warm			
	226	226		226		161	161		161			
The annual heating saved (AHS) [kWh primary energy/a]	Cold	Average		Warm		Cold	Average		Warm			
	8695	4445		2010		8205	4194		1897			








ACCESSORIES


Hoods	EH-14 white 160		Plastic hood. Colour options:	     
	EH-14 chrome 160		Grey plastic outer hood with a brushed stainless steel cover	
	EH-17 white 160		Plastic hood. Colour options:	     
	EH-2 grey 160		Grey painted stainless steel outer hood for thin walls	
	EH-2 chrome 160		Brushed stainless steel hood for thin walls	
	EH-13 white 160		White painted aluminium outer hood for cold climate	
	EH-13 chrome 160		Stainless steel ventilation hood for cold climate	
	MVVM 162 05		Ventilation hood for indoor mounting	



Grilles	MVMO 150 bV1s An		Round metal grille	
	MVM 152 bVs N		Round stainless steel hood	

Angular mounting	NP 60x204-0021		Kit for angular mounting with a white grille
	NP 60x204-0082		Kit for angular mounting with a stainless steel outer grille

Mounting elements	3805		Round telescopic air duct 300-500 mm
	3810		Round telescopic air duct 500-1000 mm

Kits for separate mounting	TwinFresh R-50-14 pre-installation kit		Pre-installation kit
	TwinFresh Comfo RB-50 completion kit		TwinFresh Comfo RB-50-14 completion kit
	TwinFresh Comfo RB1-50 completion kit		TwinFresh Comfo RB1-50-14 completion kit

For ventilator control	RC TwinFresh COMFO R-50		Remote control
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Filters	SF TwinFresh R50 G3		G3 filter kit (2 pcs.)
	SF TwinFresh R50 F8		F8 filter (supplied with a plastic cup)



TWINFRESH
COMFO
RA1-25-14

TWINFRE

Power from

3.5 W

Air flow up to

24 m³/h

Sound pressure level

22 dBA



The TwinFresh Comfo RA1-25-14 user-friendly ventilator is the most suitable solution for small rooms.
Supply of clean and fresh air 24 hours a day.



SILENT OPERATION AND VERSATILITY

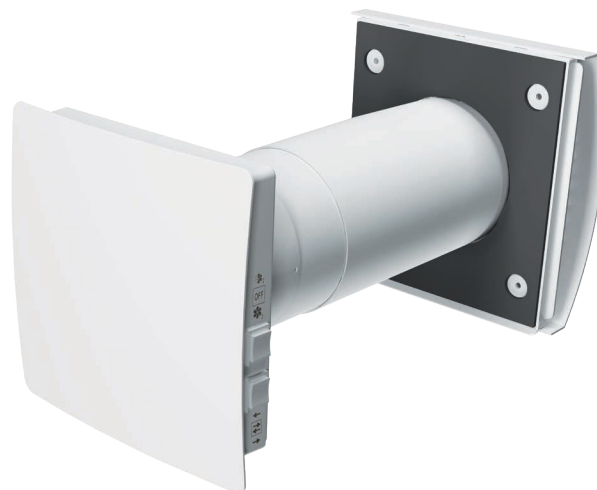


SIMPLE

Control using the buttons on the front panel or remote control.

NO DRAFTS

Closed air shutters prevent drafts when the ventilator is switched off.



CARING

Clean and fresh air 24 hours a day.



Energy efficient DC fan is a recipe for silence and energy saving.



The simple operation logic of the regenerator will provide clean and fresh air in your house.



Manual control has never been so easy!

EASY CONTROL!



To provide convenient and simple control the TwinFresh Comfo units are completed with a remote control.

Operation modes:

- Night mode

The integrated light sensor sends a signal to switch the ventilator to low speed mode.
- Speed switching
- Passive air supply

The automatic shutters are opened but the fans are off in this mode.
- Air supply

In this mode all ventilators will operate in supply mode irrespective of the maximum air supply setting.
- Ventilation

All the ventilators in the network operate in permanent air extract or air supply mode. To ensure balanced ventilation it is advisable to set one half of the ventilators to air supply mode and the other part of the ventilators to air extract mode.
- Ventilation with heat recovery
- Humidity control mode selection



Simple mounting – you need only to mount it, plug into a socket and use!



High efficiency – up to 85%.



The unit properly operates at temperature range up to -20 °C.



Integrated humidity sensor for the automated unit operation.



Can be mounted inside a prepared hole (from Ø 100 mm) in a wall.



Simple ventilator control



Automatic drafts shutoff by shutters when the ventilator is off.



Noise at the level of subdued conversation (22-33 dBA).

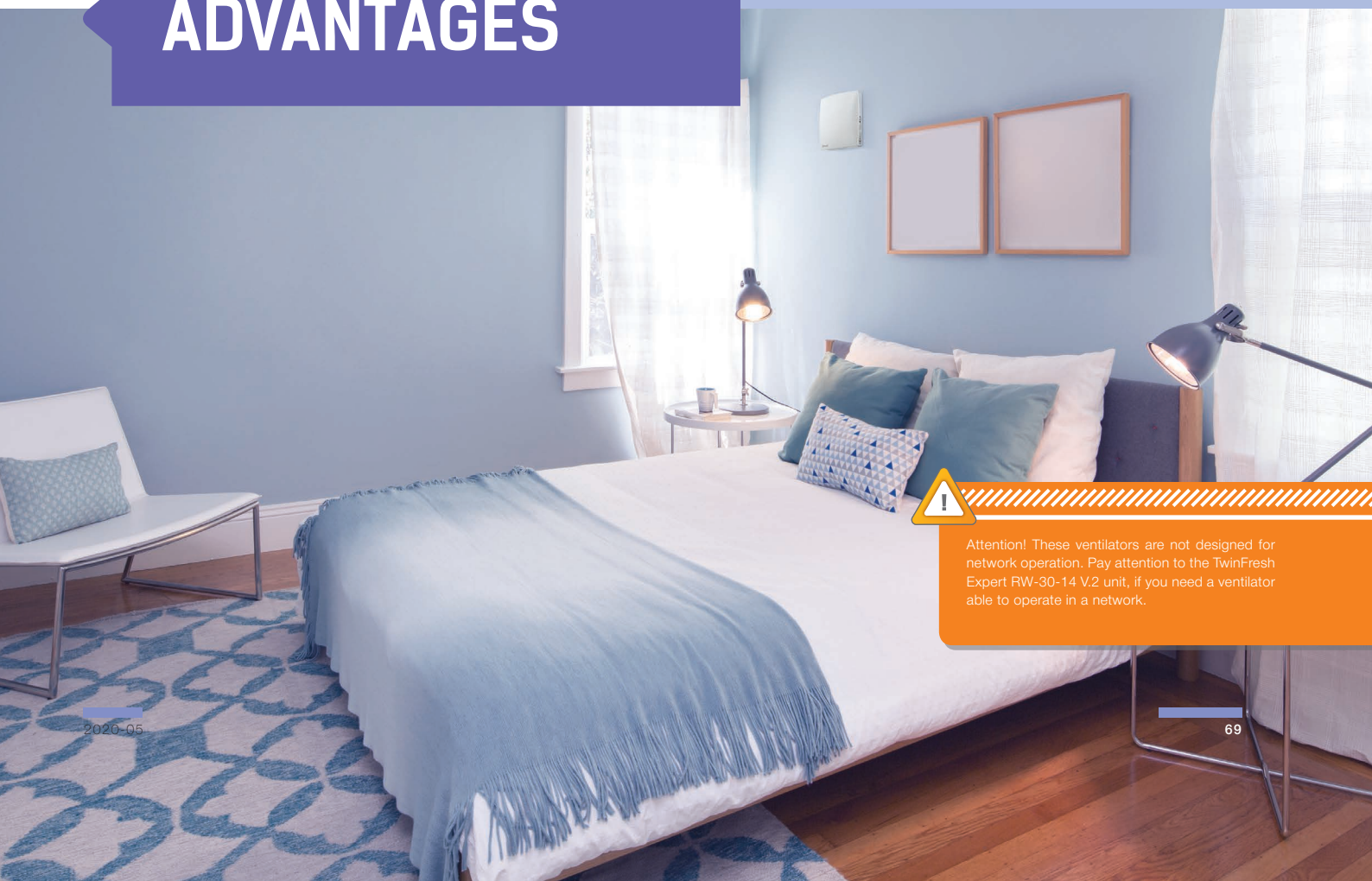


Ventilation of premises with the area of about 15 m² (the area is approximate and depends on the ventilation standards in your country).



Night mode. The ventilator switches to low speed in the dark time of the day (by a light sensor).

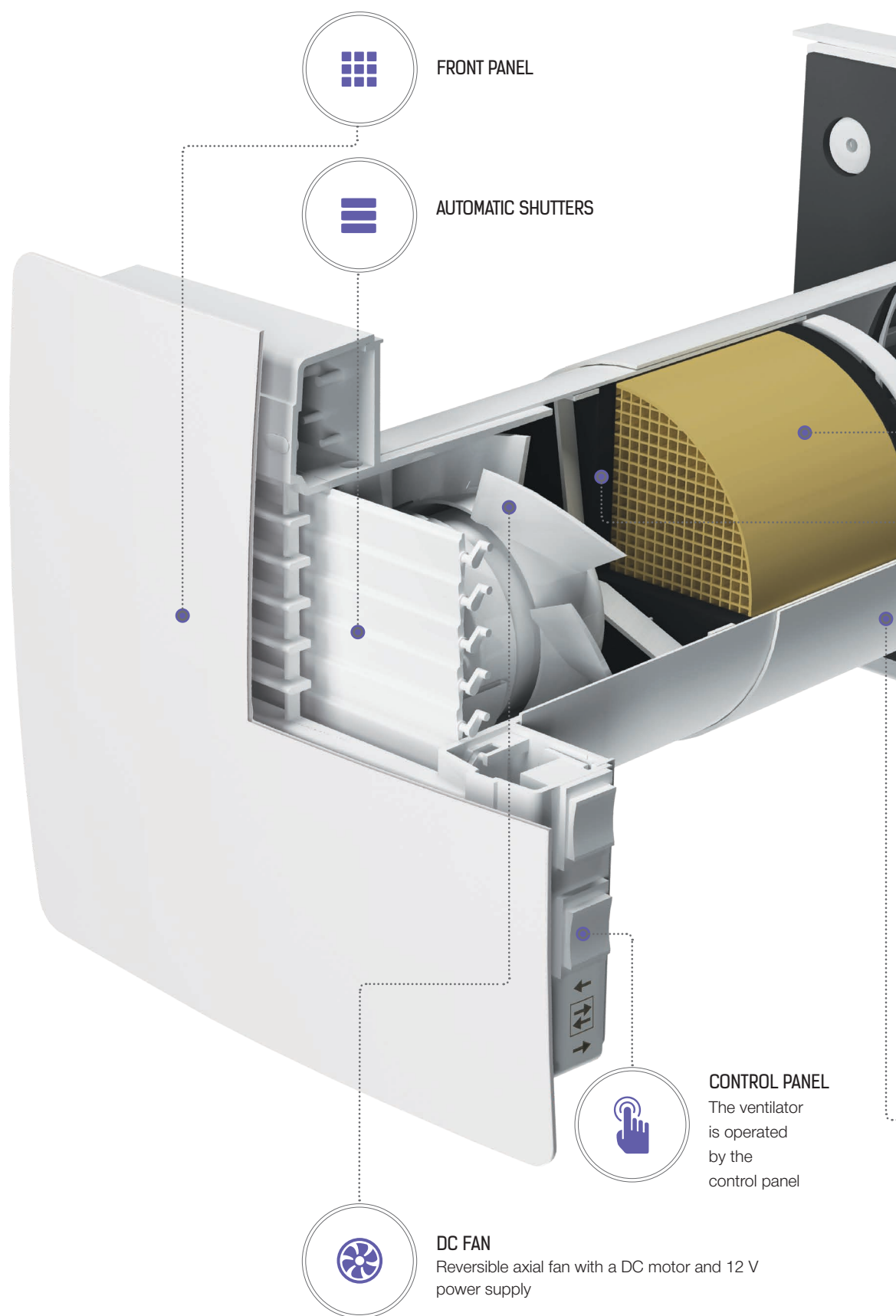
ADVANTAGES

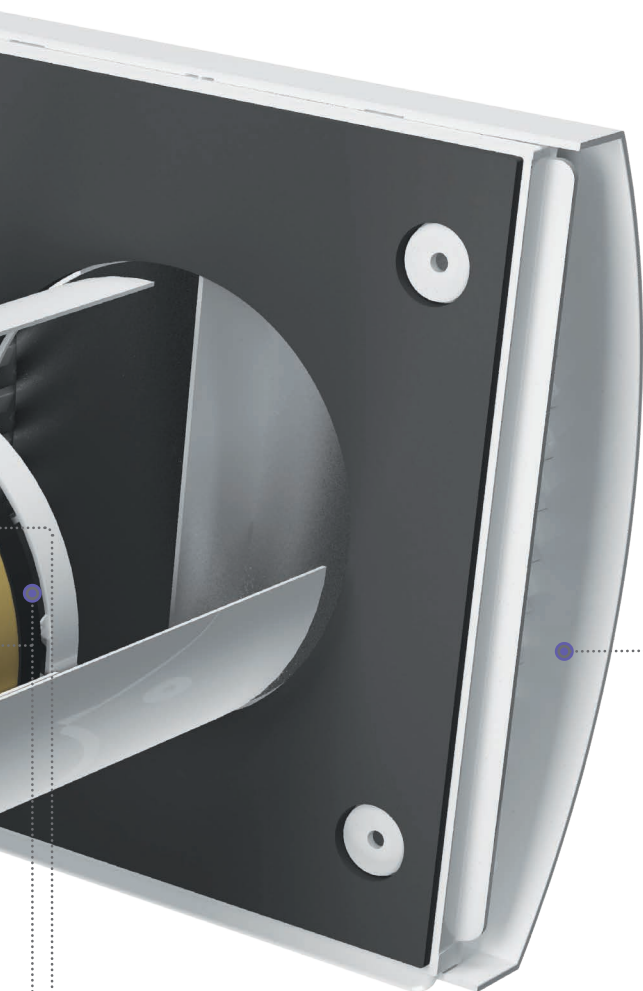


Attention! These ventilators are not designed for network operation. Pay attention to the TwinFresh Expert RW-30-14 V.2 unit, if you need a ventilator able to operate in a network.

HOW IS IT DESIGNED?







CERAMIC REGENERATOR

High-tech ceramic energy regenerator with the regeneration efficiency of up to 85%



FILTERS

The G3 air filter provides supply and extract air filtration. F8 filter is available as an option.



AIR DUCT



OUTER HOOD

Protects the ventilator from ingress of water and foreign objects

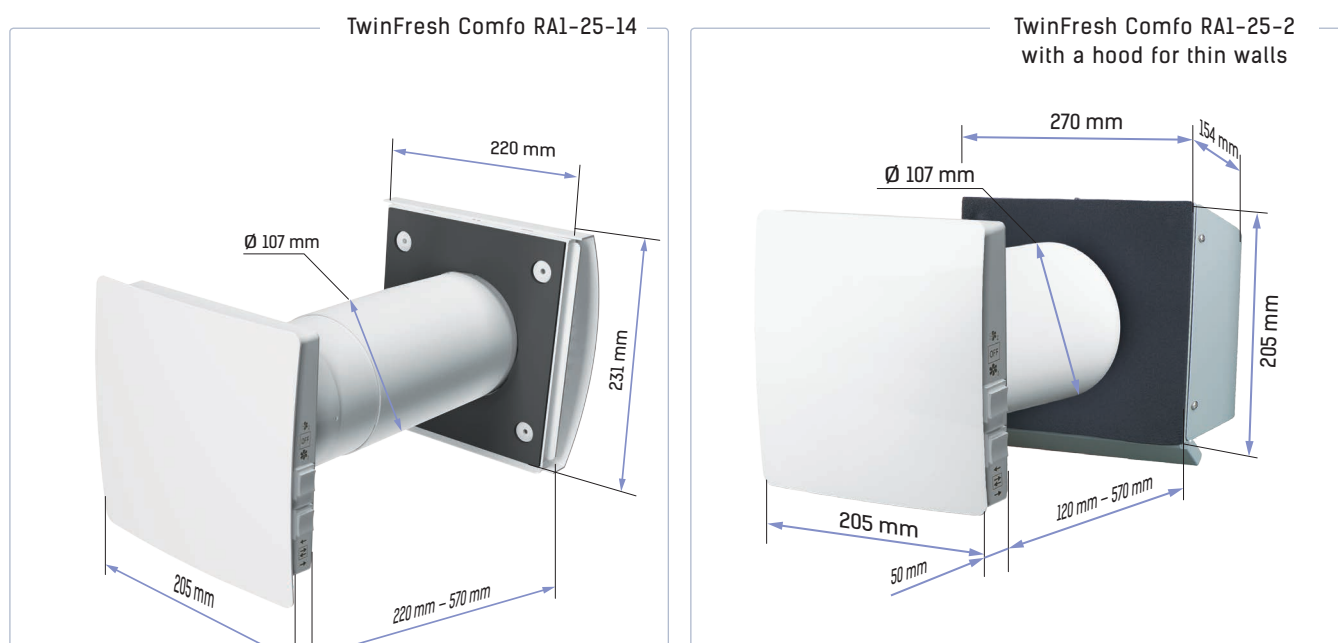


TECHNICAL DATA

Speed	I	II	III
Unit voltage [V/50 (60) Hz]	100-240 / 50-60		
Power [W]	3.5	3.95	5.32
Current [A]	0.023	0.026	0.036
Air flow in ventilation mode [m³/h (l/s)]	7 (2)	15 (4)	24 (7)
Air flow in energy recovery mode [m³/h (l/s)]	4 (1)	8 (2)	12 (3)
SFP [W/l/s]	3.6	1.9	1.6
Transported air temperature [°C]	-20*...+40		
Sound pressure level at 1 m distance [dBA]	31	35	43
Sound pressure level at 3 m distance [dBA]	22	25	33
Outdoor sound pressure attenuation in accordance with DIN EN 20140 [dBA]	40		
Heat recovery efficiency in accordance with DIBt LÜ-A 20 [%]	≤ 85		
Filter	G3		
Protection class	IP24		

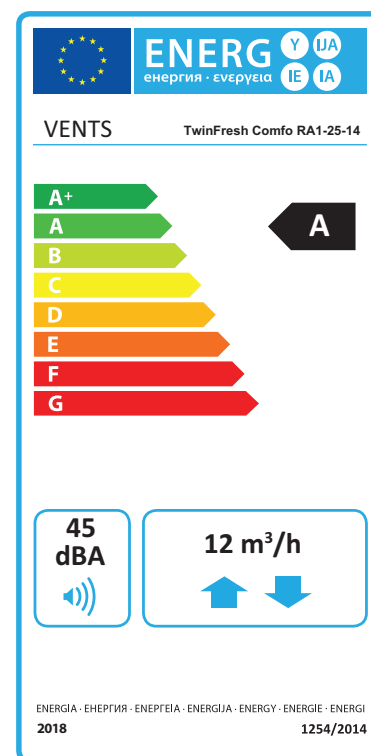
* -30 °C when the EH-13 hood is applied.

OVERALL DIMENSIONS


















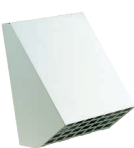










ECODESIGN

Specific energy consumption (SEC) [kWh/(m ² .a)]	Cold		Average		Warm	
	-77	A+	-35	A	-11	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Three-speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery [%]	80					
Maximum air flow rate [m ³ /h]	12					
Power [W]	5.32					
Sound power level [dBA]	45					
Reference air flow rate [m ³ /s]	0.002					
Reference pressure difference [Pa]	0					
Specific power input (SPI) [W/(m ³ /h)]	0.527					
Control typology	Local automatic control					
Maximum internal leakage rate [%]	2.7					
Maximum external leakage rate [%]	0					
Mixing rate of bidirectional units [%]	1					
The classification of the airflow sensitivity to pressure variations, according to EN 13141-8 [%]	-					
The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m ³ /h]	-					
Internet address	http://www.ventilation-system.com					
The annual electricity consumption (AEC) [kWh electricity/a]	Cold	Average		Warm		
	380	380		380		
The annual heating saved (AHS) [kWh primary energy/a]	Cold	Average		Warm		
	8695	4445		2010		



ACCESSORIES

Hoods	EH-14 white 100		Plastic hood. Colour options:	     
	EH-14 chrome 100		Grey plastic outer hood with a brushed stainless steel cover	
	EH-17 white 100		Plastic hood. Colour options:	     
	EH-2 grey 100		Grey painted stainless steel outer hood for thin walls	
	EH-2 chrome 100		Brushed stainless steel hood for thin walls	
	EH-13 white 100		White painted aluminium outer hood for cold climate	
	EH-13 chrome 100		Stainless steel ventilation hood for cold climate	
Grilles	MVMO 100 bV1s An		Round metal grille	
	MVM 102 bVs N		Round stainless steel hood	

Angular mounting	NP 100 white-0078		Kit for angular mounting with a white grille
	NP 100 chrome-0079		Kit for angular mounting with a stainless steel outer grille
Mounting elements	1810		Round telescopic air duct 500-1000 mm
For ventilator control	RC TwinFresh COMFO R-50		Remote control
Filters	SF TwinFresh R25 G3		G3 filter kit (2 pcs.)