



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

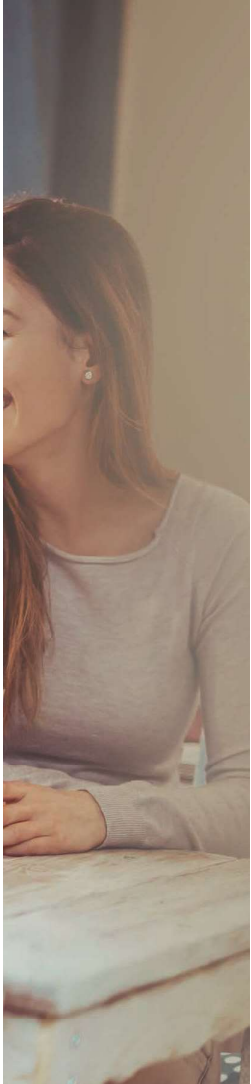


The TwinFresh Comfo user-friendly ventilator ensures fresh and clean air with an ideal level of humidity in your house.

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

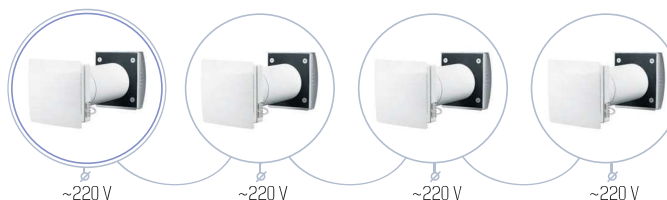
The integrated light sensor sends a signal to switch the ventilator to low speed mode.
- Speed switching
- Passive air supply

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

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!



High efficiency – up to 90%.



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



Integrated humidity sensor for the automated unit operation.



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



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



Automatic drafts shutoff when the ventilator is off.



Noise level is from 13 up to 34 dBA.



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

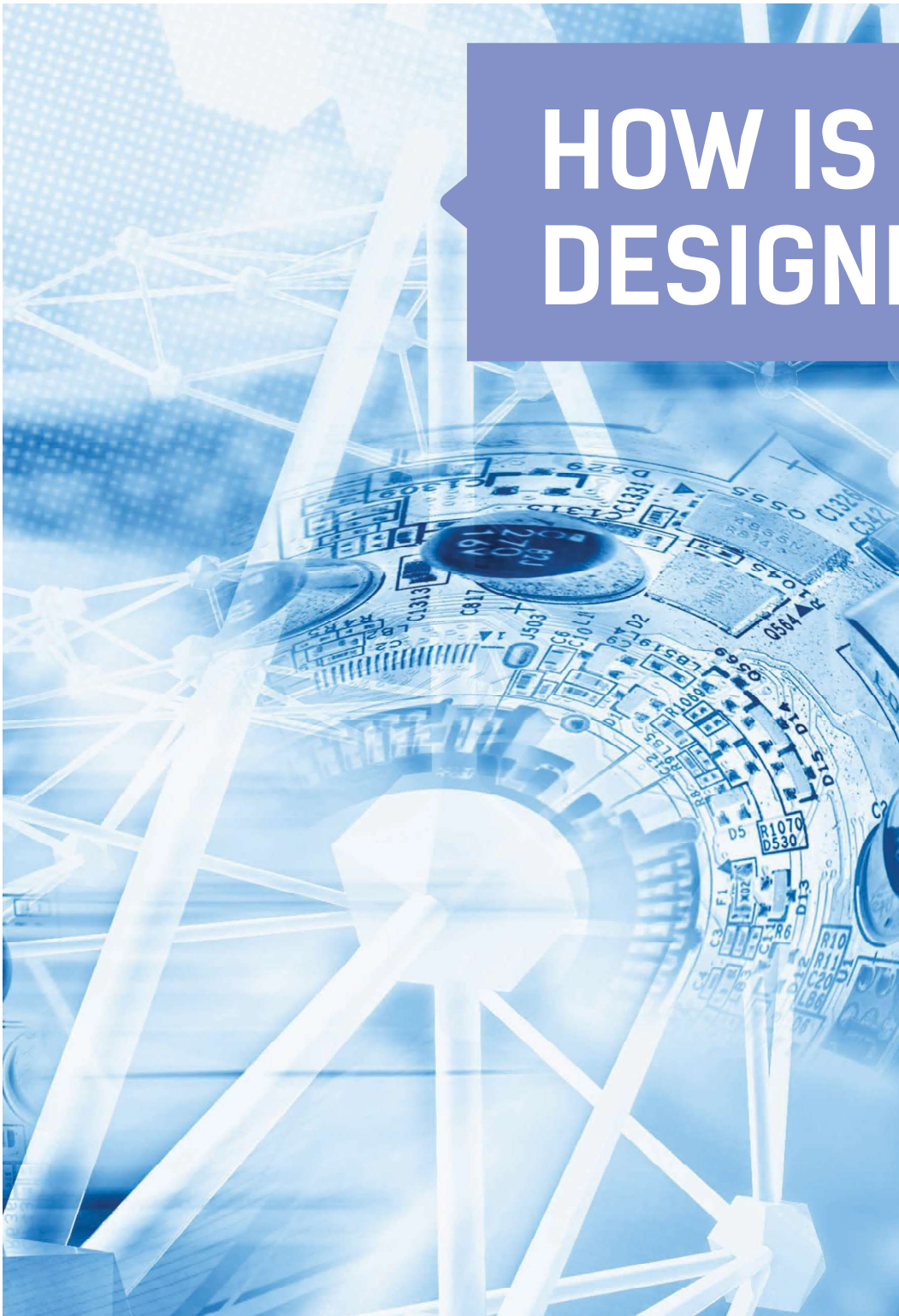


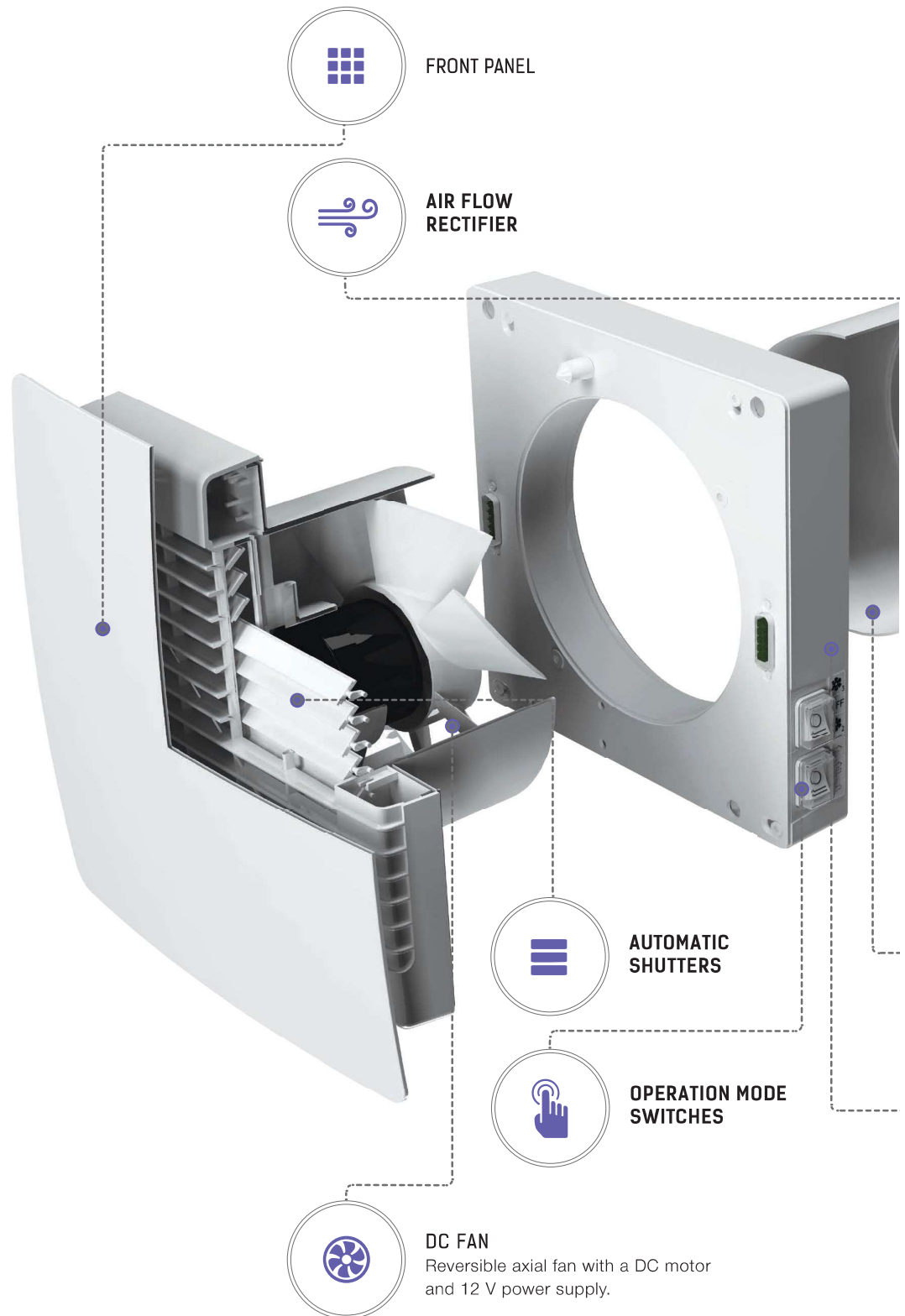
F8 filter of high filtration efficiency can additionally purify supply air.

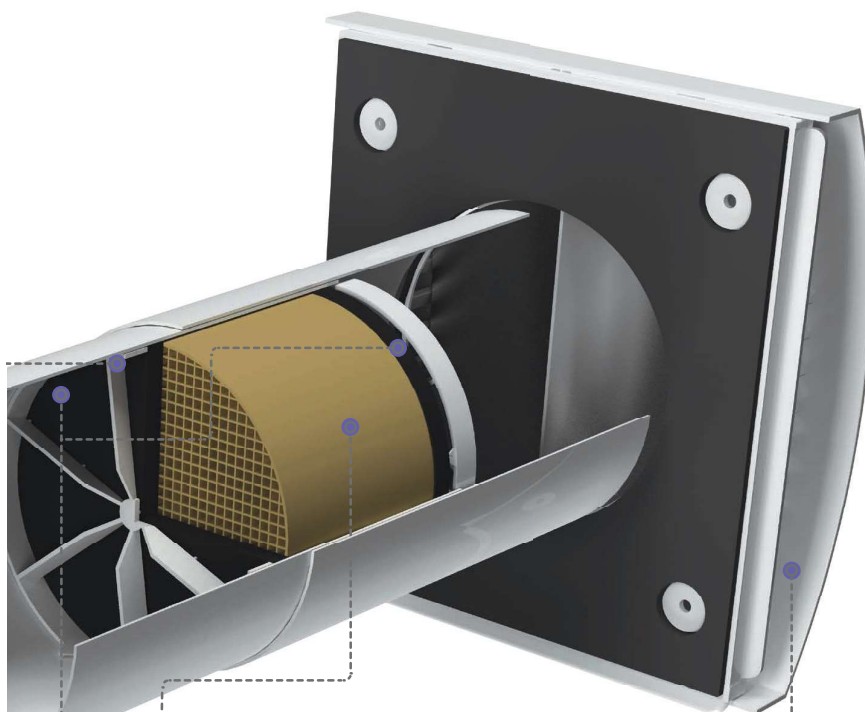
ADVANTAGES



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.

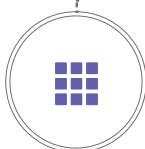


AIR DUCT



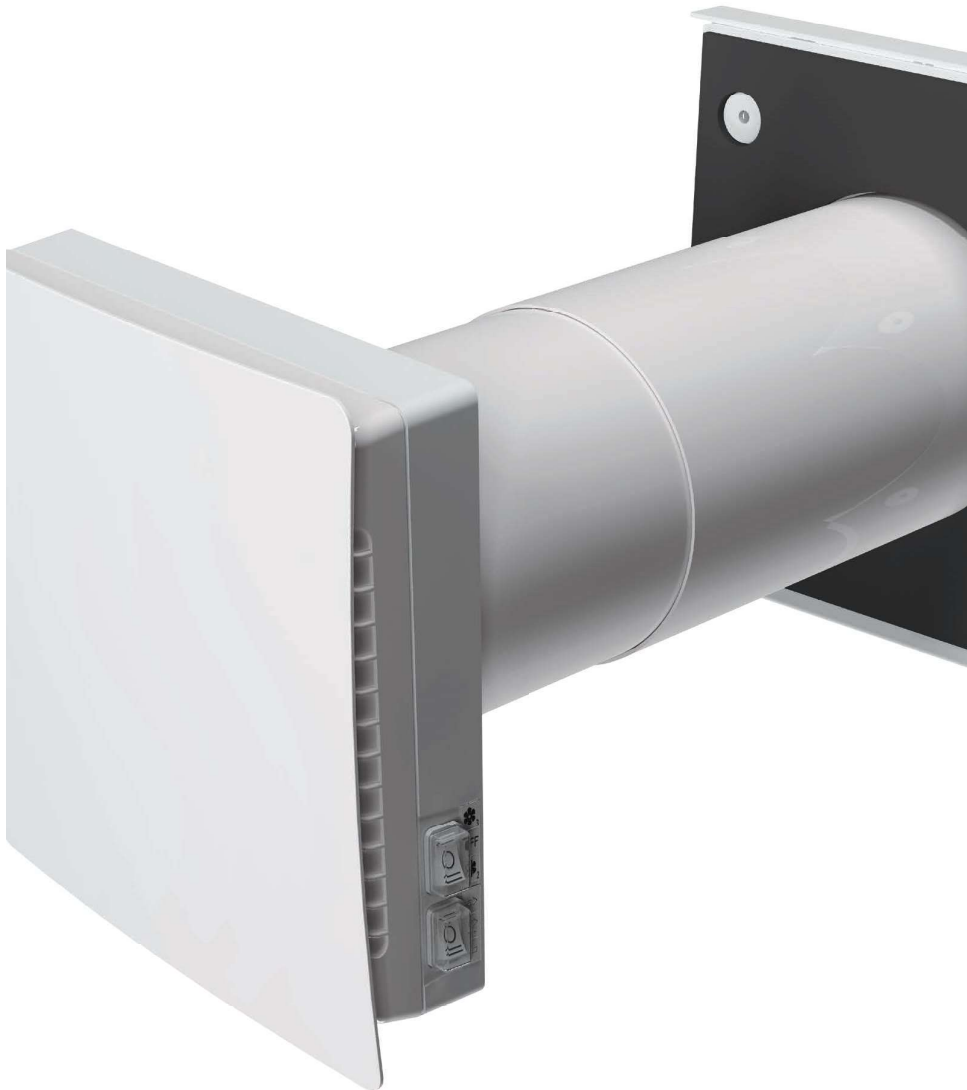
MOUNTING PLATE

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.

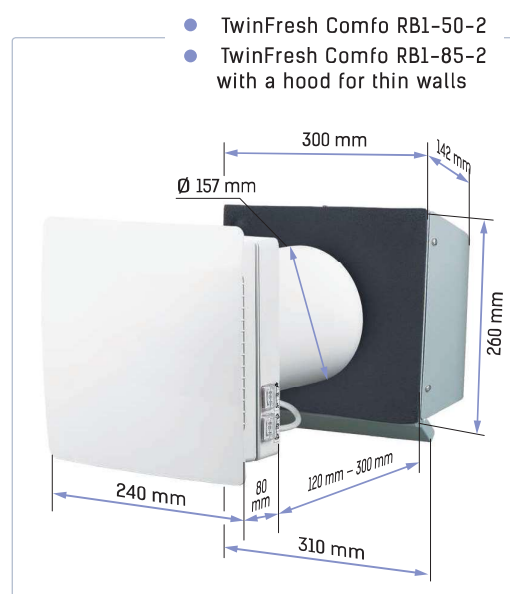
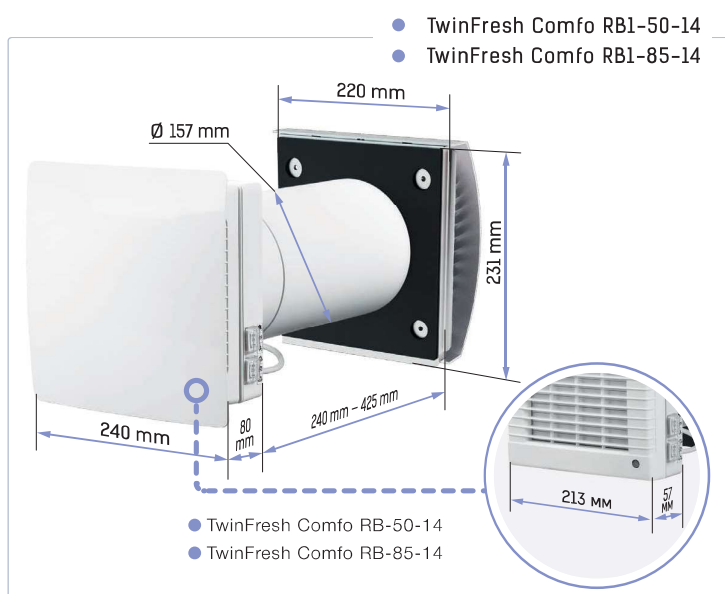


TECHNICAL DATA

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					

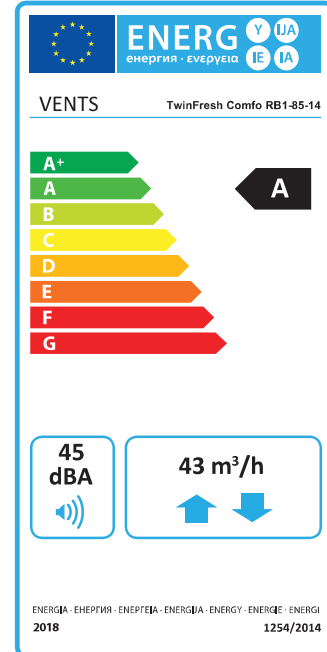
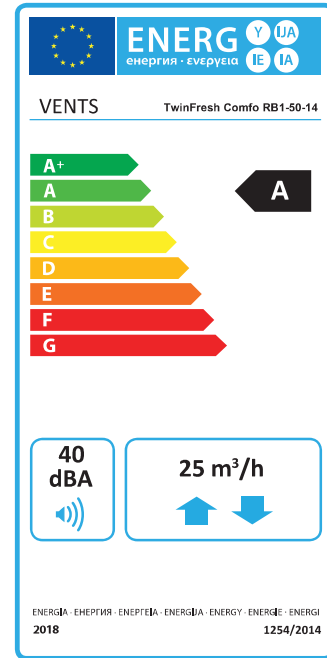
* -30 °C when the EH-13 hood is applied.

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
Filters	SF TwinFresh R50 G3		G3 filter kit (2 pcs.)
	SF TwinFresh R50 F8		F8 filter (supplied with a plastic cup)