TWINFRESH
**EXPERT
RW–30–14 V.2**

Power from

1.8 W

Air flow up to

30 m³/h

Sound pressure level

21 dBA

SH

Exclusive ventilator TwinFresh Expert RW-30-14 V.2 ensures fresh and clean air in the room 24 hours a day.

Being non-ducted, the unit can be easily mounted, without requiring additional costs.
The unit is controlled by the mobile application from anywhere in the world.

COMFORT AND SIMPLICITY

MODERN

Exclusive ventilator with wireless control.

ENERGY-EFFICIENT

Energy efficiency of the class A+ means preserving natural resources and reducing costs for your house upkeep.

CARING

Fresh and clean air is provided by a special cartridge consisting of a fan, a regenerator, and filters with high filtration efficiency.

Air flow of just one ventilator is enough to provide the room up to 15 m² with fresh air.

It is enough to have only one ventilator operating in direct and reversible modes to provide air supply and extract.

Filters (G3) have antibacterial treatment. Cleaning the filters of dust is done by a vacuum cleaner or water flushing. The antibacterial treatment effect is kept.

EASY CONTROL!

Mobile applications are designated to simplify our daily routine: from buying airline tickets to ordering office lunches.
Smartphone allows to control all appliances in the house, including climatic ones.

And what about small units?
We have good news: small ventilator can be also controlled from your smartphone!

Download the VENTS TWINFRESH mobile app and control all your «Experts» in the house just from your smartphone!

The control buttons are also duplicated on the ventilator casing:
- ON/OFF;
- Speed selection;
- Operation mode selection: ventilation or regeneration.

It is possible to control all the ventilators simultaneously by connecting them to a single Wi-fi network. In this case all ventilators (Slaves) will respond to a signal from the Master ventilator only.

Smartphone, control panel or sensor control can be applied only to Master.

CO2

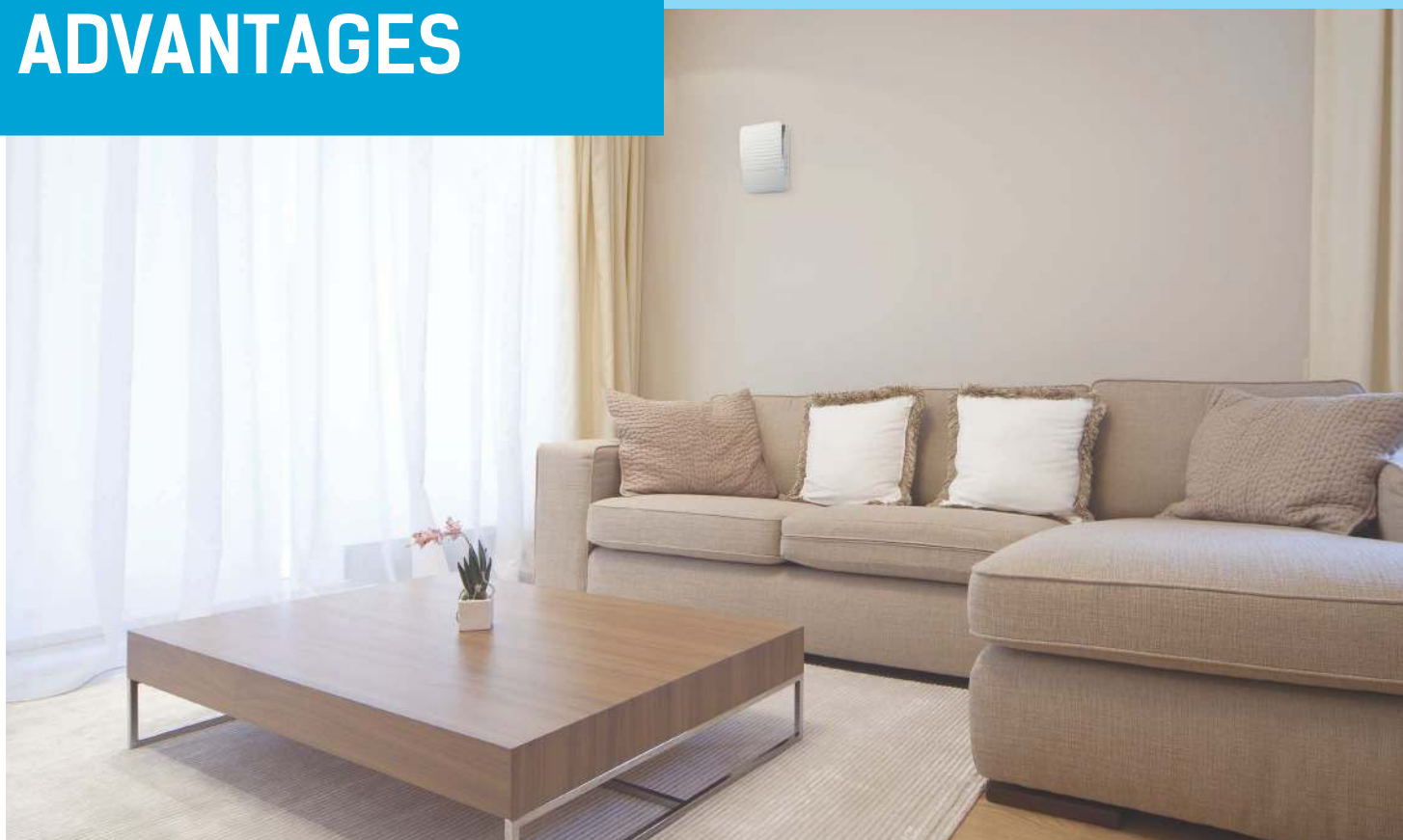Vents TwinFresh V.2
is available in Google Play Market and App Store

Download on the
App Store

Google Play

ADVANTAGES

Trendy ventilator design.

High efficiency – 81%.

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

A humidity sensor.

Wireless connection of all units
to a single Wi-Fi network, without
routing the cables.

Connection of an external
relay CO_2 sensor or other
external relay sensors.

Automatic drafts shutoff when
the ventilator is off due to the
hermetic damper.

Noise at the level of human
whisper (21-31 dBA).

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

Simple mounting
and maintenance.

HOW IS IT DESIGNED?
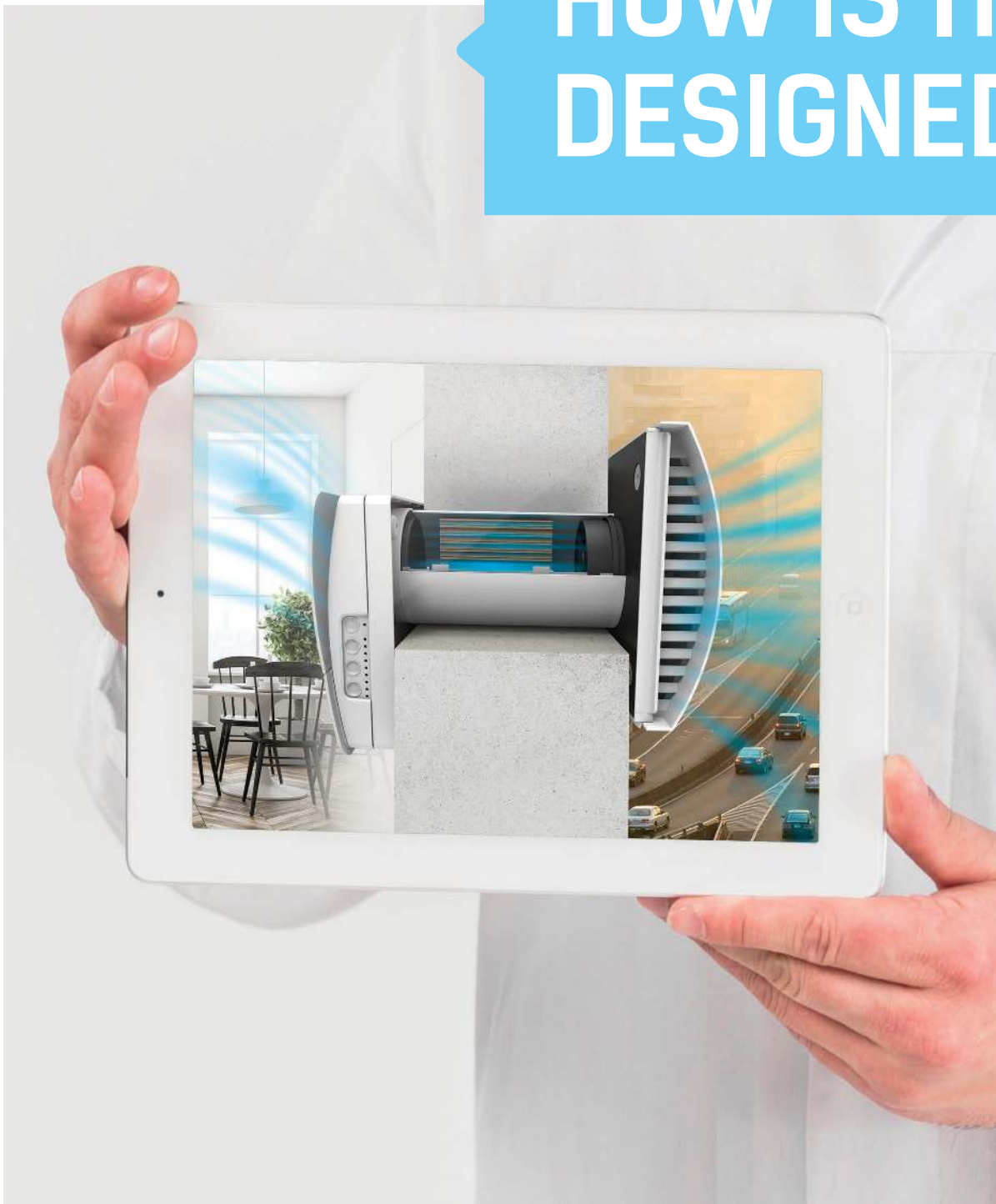
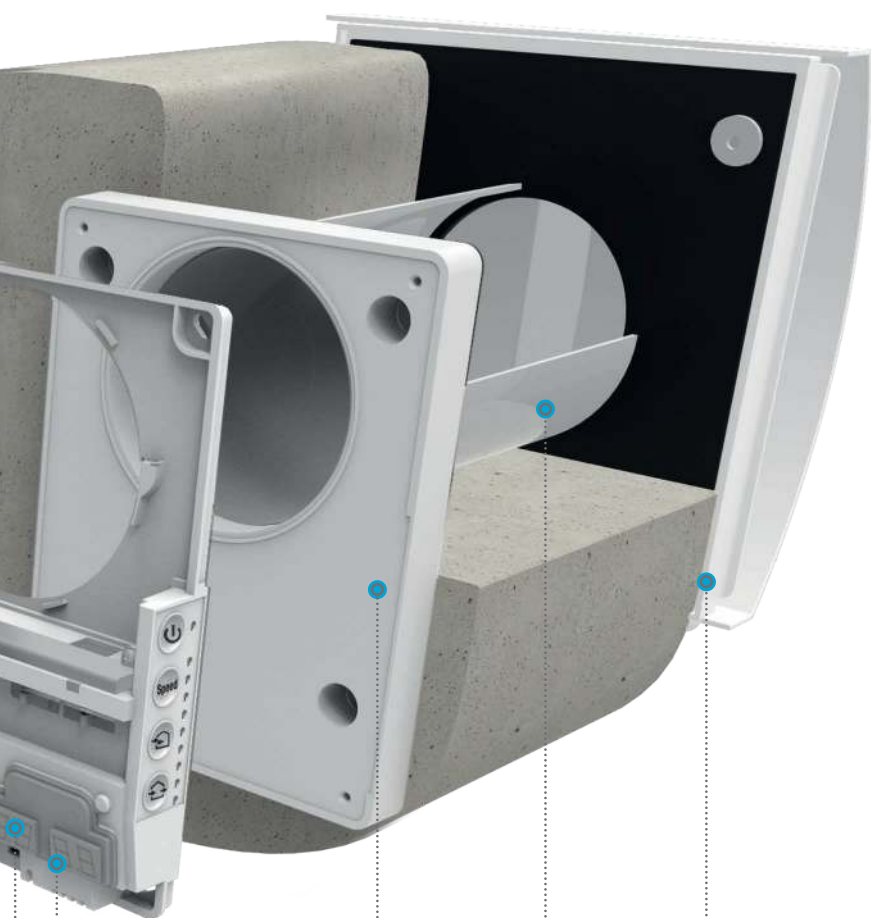## AUTOMATIC DAMPER
Shuts off the air duct when the ventilator is switched off

CARTRIDGE
Consists of a fan, a regenerator and filters. Generates air flow, produces energy recovery and air purification.

WI–FI ANTENNA

HUMIDITY SENSOR

MOUNTING FRAME (OPTIONAL)
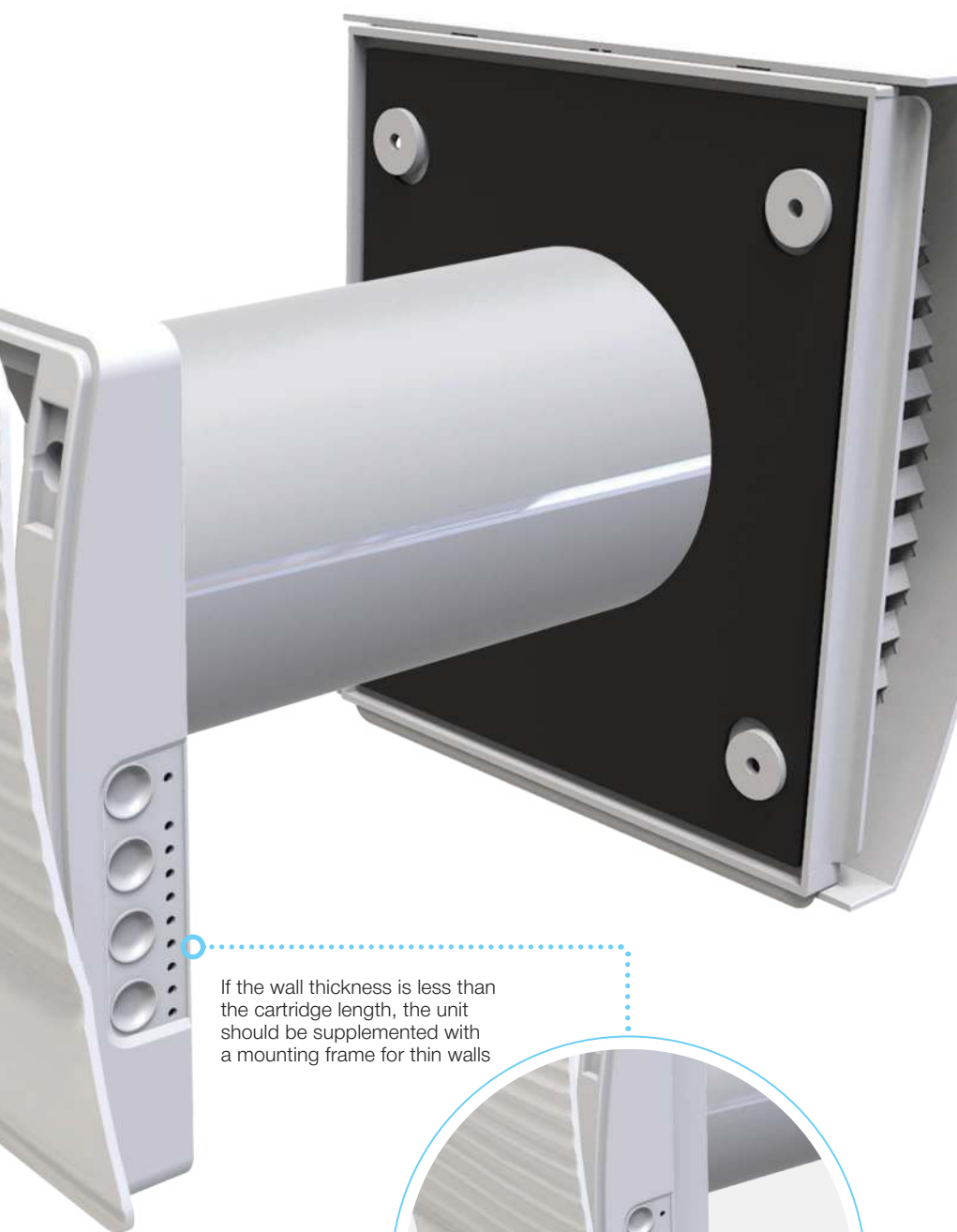Facilitates mounting of the ventilator in thin walls with the thickness from 135 mm.

TELESCOPIC AIR DUCT

OUTER VENTILATION HOOD
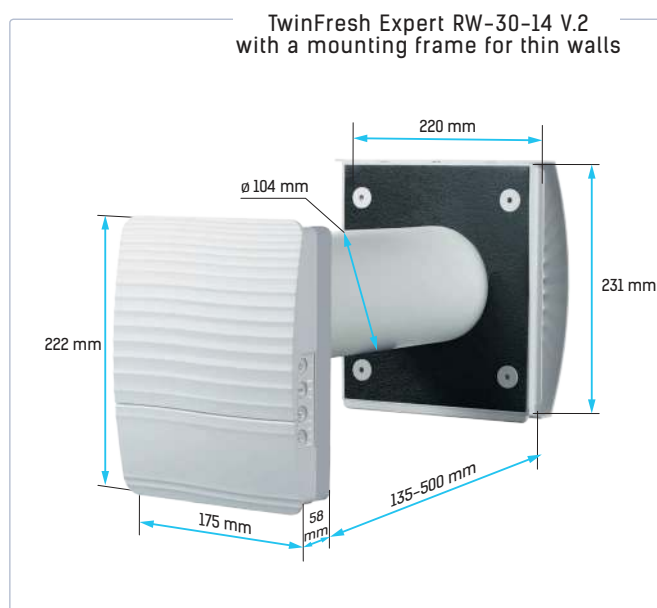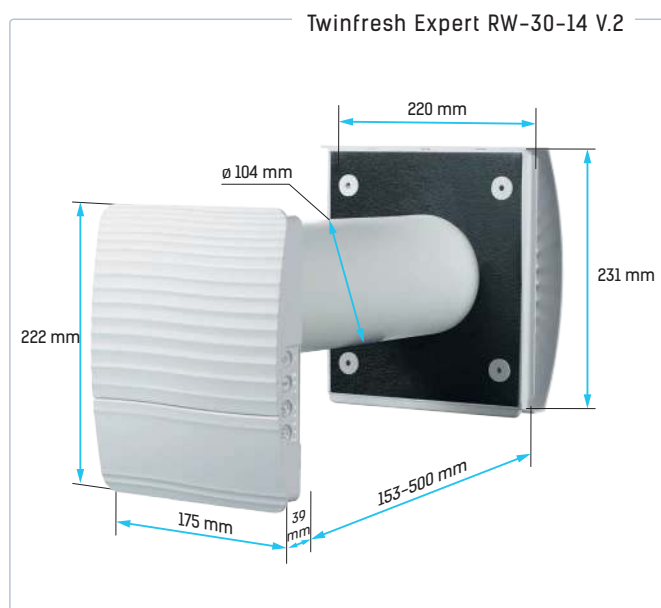Outer ventilation hood protects the ventilator from ingress of water and foreign objects

If the wall thickness is less than the cartridge length, the unit should be supplemented with a mounting frame for thin walls
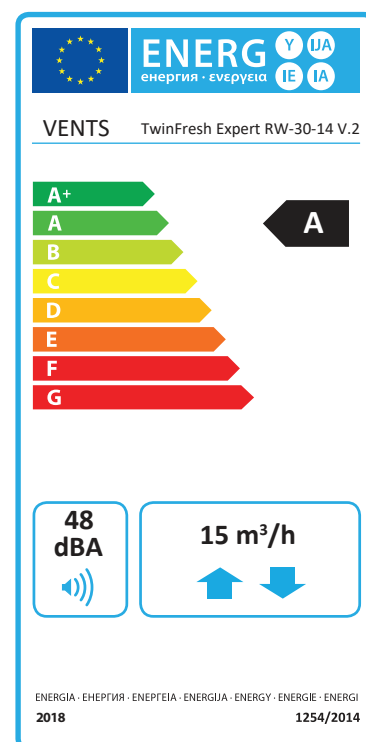
TECHNICAL DATA

Speed		I	II	III
Unit voltage [V/50 (60) Hz]		100–240		
Power [W]		1.80	3.00	4.40
Current [A]		0.027	0.037	0.051
Air flow in ventilation mode [m³/h (l/s)]		10 (3)	20 (6)	30 (8)
Air flow in energy recovery mode [m³/h (l/s)]		5 (1)	10 (3)	15 (4)
SFP [W/l/s]		1.30	1.08	1.06
Filter		G3		
Transported air temperature [°C]		-15…+40		
Sound pressure level at 1 m distance [dBA]		30	37	40
Sound pressure level at 3 m distance [dBA]		21	28	31
Outdoor sound pressure attenuation in accordance with DIN EN 20140 [dBA]		42		
The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m³/h]		D1		
Heat recovery efficiency in accordance with DIBt LÜ-A 20 [%]		≤ 81		
Protection class		IP24		

OVERALL DIMENSIONS

Twinfresh Expert RW–30–14 V.2

220 mm
ø 104 mm
231 mm
222 mm
153–500 mm
175 mm
39 mm

TwinFresh Expert RW–30–14 V.2
with a mounting frame for thin walls

220 mm
ø 104 mm
231 mm
222 mm
135–500 mm
175 mm
58 mm

ECODESIGN

Specific energy consumption (SEC) [kWh/(m².a)]	Cold		Average		Warm	
	-79	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 [%]	71					
Maximum air flow rate [m³/h]	15					
Power [W]	4.4					
Sound power level [dBA]	48					
Reference air flow rate [m³/s]	0.005					
Reference pressure difference [Pa]	N/A					
Specific power input (SPI) [W/(m³/h)]	0.2					
Control typology	Local control					
Maximum internal leakage rate [%]	2.7					
Maximum external leakage rate [%]	N/A					
Mixing rate of bidirectional units [%]	1					
The classification of the airflow sensitivity to pressure variations, according to EN 13141-8 [%]	37					
The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m³/h]	5.2					
Internet address	http://www.ventilation-system.com					
The annual electricity consumption (AEC) [kWh electricity/a]	Cold		Average		Warm	
	175		175		175	
The annual heating saved (AHS) [kWh primary energy/a]	Cold		Average		Warm	
	8294		4240		1917	

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VENTS — TwinFresh Expert RW-30-14 V.2

A+
A
B
C
D
E
F
G

A

48 dBA

15 m³/h

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2018   **1254/2014**

ACCESSORIES

Hoods	EH-14 white 100		Plastic hood. Colour options:	White	Black	Grey	Terracotta	Brown	Beige
	EH-14 chrome 100		Grey plastic outer hood with a brushed stainless steel cover						
	EH-17 white 100		Plastic hood. Colour options:	White	Black	Grey	Terracotta	Brown	Beige
	EH-2 grey 100		Grey painted stainless steel outer hood for thin walls						
	EH-2 chrome 100		Brushed stainless steel hood for thin walls						

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
	T TwinFresh Expert R-30		Cardboard template for the unit indoor mounting

For ventilator control	KV TwinFresh Expert RW		Wi-Fi connected sensor control panel
	CO2-1		CO_2 sensor with LED indication and sensor buttons
	CO2-2		CO_2 sensor

Filters	SF TwinFresh Expert R-30 G3		G3 filter kit (2 pcs.)