## TWINFRESH STYLE



Power from

2 W

Air flow up to

50 m<sup>3</sup>/h

Sound pressure level from

1 dBA\*

\* At a distance of 3 m.



Style is a modern and efficient solution to ensure comfortable microclimate within a room and required air exchange in the renovated rooms, new, just-settled buildings or reconstructed apartments.





## **FUNCTIONAL**

Many units can be connected to one control network.



High heat recovery efficiency of up to 90 % is achieved due to the use of a cellular regenerator.



#### **USER-FRIENDLY**

Unit design allows easy maintenance and mounting.



Noise-insulating material provides noise absorption during the operation of the ventilator.



One ventilator operating in heat recovery or ventilation mode is enough to ensure quality ventilation within a room.



The unit is controlled via a remote control and buttons on the control panel.

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Trendy ventilator design.



High efficiency - 90 %.



Can be mounted inside a prepared hole (from  $\varnothing$  170 mm) in a wall.



Availability of a humidity sensor.



Connection of the units into one control network.



Connection of an external  ${\rm CO}_2$  sensor or other external relay sensors.



Automatic drafts shutoff thanks to air damper when the ventilator is off.



Noise at the level of human whisper (from 1 up to 26 dBA at a distance of 3 m).



Ventilation of premises with the area of about 25 m² (the area is approximate and depends on the ventilation standards in your country).



Simple mounting and maintenance.

2025-03





It is recommended to use a pair of ventilators to ensure balanced ventilation.

#### Mounting examples



Wall mounting with standard thickness using the EH-14 hood



Corner mounting using the kit NP 160 white



Mounting in a thin wall using the EH-2 hood

2025-03



## **RETAINS HEAT**

n order to save heat within the room, the ventilator operates in the neat recovery mode with two cycles. This allows preserving heat in the room and thus ensuring humidity balance and reducing load or neating system during winter.



## WHEN IT IS COLD OUTSIDE

Warm moistened air enters a room and in 70 seconds the ventilator automatically switches to air exhaust mode. Fresh but cold and dry intake air from outside flows through the regenerator, absorbs accumulated moisture and is heated due to the accumulated heat. CYCLE II The filter cleans the air of dust and insects. Clean air supply 2025-03

# SAVES ELECTRICAL ENERGY

To save energy, the ventilator operates in heat recovery mode with two cycles, which allows reducing load on air conditioning system during summer.

## WHEN IT IS HOT OUTSIDE





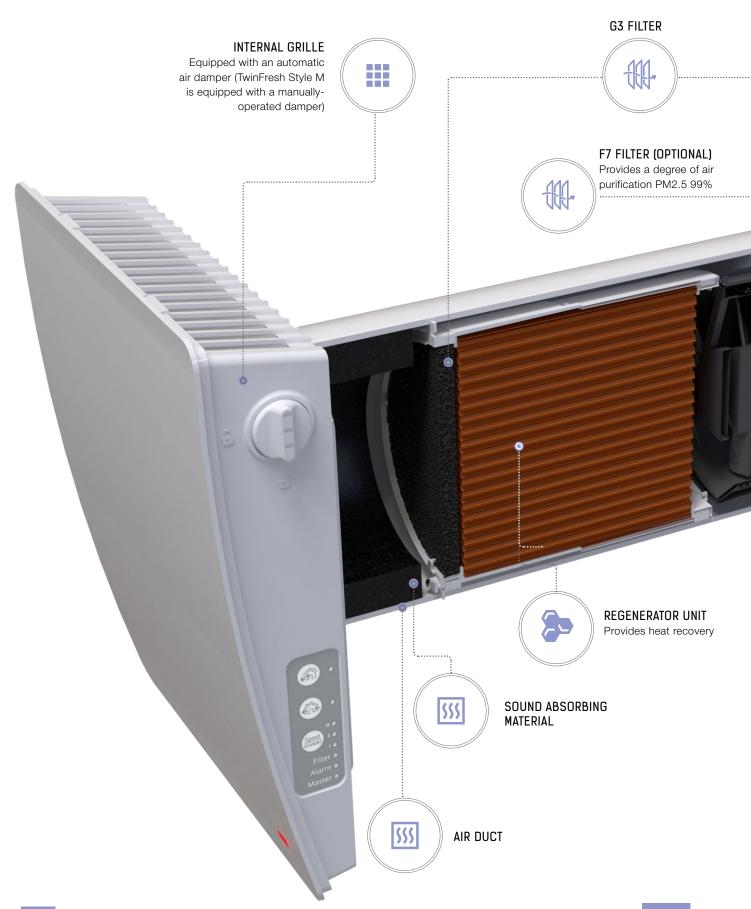
Cold stale air is extracted from a premise, cooling the regenerator.

The filter prevents air contaminants from entering the regenerator.

In 70 seconds the ventilator switches to supply mode automatically.







2025-03





Prevents ingress of water and foreign objects into the ventilator

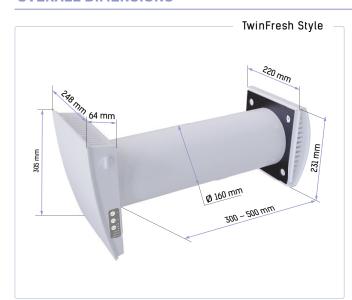


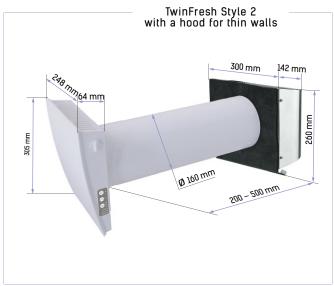
#### **TECHNICAL DATA**

Speed	I	П	III	
Unit voltage [V/50 (60) Hz]	100-240 / 50-60			
Power [W]	2.0	3.5	5.5	
Current [A]	0.03	0.03	0.06	
Air flow in ventilation mode [m³/h (l/s)]	15(4)	15(4) 35(10)		
Air flow in energy recovery mode [m³/h (l/s)]	8(2)	18(5)	25(7)	
SFP [W/l/s]	0.96	0.84	0.79	
Transported air temperature [°C]		-20(-30*)+40		
Sound pressure level at 1 m distance [dBA]	10	28	35	
Sound pressure level at 3 m distance [dBA]	1	19	26	
Outdoor sound pressure attenuation in accordance with DIN EN 20140 [dBA]	40			
Heat recovery efficiency in accordance with DIBt LÜ-A 20 [%]	≤ 90			
Classification of the indoor/outdoor air tightness, according to EN 13141-8	D1			
Filter	(	G3 (G4, F7 optional*	**)	
PM2.5 removal efficiency of F7 filter [%]		99		
**Air flow with F7 filter applied [m³/h]	40			

<sup>\*</sup>When EH-13 hood is used (TwinFresh Style Frost).

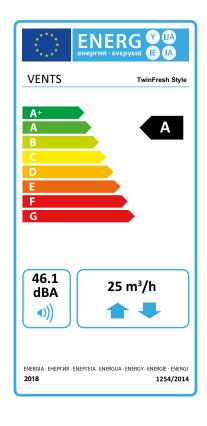
## **OVERALL DIMENSIONS**





## **ECODESIGN**

Specific energy consumption (SEC)	Cold		Average		Warm	
[kWh(m².a)]	-84.3	A+	-41.3	А	-16.7	Е
Type of ventilation unit			Bidire	ectional		
Type of drive installed		Three-speed				
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery [%]		82.1				
Maximum air flow [m³/h]		25				
Power [W]		5.5				
Sound power level [dBA]		46.1				
Reference flow rate [m³/s]		0.005				
Reference pressure difference [Pa]	0					
Specific power input (SPI) [W/(m³/h)]		0.2				
Control typology		Lo	cal auto	matic c	ontrol	
Maximum internal leakage rates [%]		2.7				
Maximum external leakage rates [%]	0					
Mixing rate of bidirectional units [%]		1				
The classification of the airflow sensitivity to pressure variations, according to EN 13141-8 [%]		37.3				
The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m³/h]		0.5				
Internet address	h	ttp://w	ww.venti	lation-s	system.c	om
The annual electricity consumption (AEC)	С	old	Ave	rage	Wa	arm
[kWh electricity/a]	1	44	1.	44	1.	44
The annual heating saved (AHS)	С	old	Ave	rage	Wa	arm
[kWh primary energy/a]	87	789	44	193	20	32



2025-03 16

	EH-14 white 160	AMINGER	Plastic hood. Colour options:  White Black Grey Terracotta Brown Beige				
	EH-14 chrome 160		Grey plastic outer hood with a brushed stainless steel cover				
	EH-2 grey 160		Grey painted stainless steel outer hood for thin walls				
Hoods	EH-2 chrome 160		Polished 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		Hood for mounting from inside				
Angular mounting	NP white 160		Kit for angular mounting with white colour grille				
	NP chrome 160		Kit for angular mounting with stainless steel outer grille				

Mounting elements	Duct 160 -500		Round air duct with a diameter of 160 mm and a length of 500 mm with a foam plug
	Duct 160 -700		Round air duct with a diameter of 160 mm and a length of 700 mm with a foam plug
	T TwinFresh Style	· Marie	Cardboard template for indoor installation of the unit
For ventilator control	RK1 TwinFresh	100 mg	Remote control
	CO2-1	(i) (i) (ii) (ii) (ii) (ii) (ii) (ii) (	CO <sub>2</sub> sensor with LED indication and sensor buttons
	CO2-2	CQ+	CO <sub>2</sub> sensor
	TRF-220/24-1,6 or TRF-120/24-1,6		Power supply for CO <sub>2</sub> sensors
Filters	SF2 TwinFresh G3		G3 filter kit (2 pcs.)
	SF2 TwinFresh G4		Coarse filter G4 Contents:  • plastic filter holder (1 pc.) • G4 filter (1 pc.)
	SF2 TwinFresh F7		Fine filter F7 Contents:  • plastic filter holder (1 pc.)  • F7 filter (1 pc.) The F7 filter reduces air flow to 40 m³/h

2025-03 **17**