



## RECOM mini UNIT FOR SINGLE-ROOM VENTILATION



up to  
**70 m<sup>3</sup>/h**



up to  
**88 %**



**RECOM mini** is an advanced decentralized wall-mounted ventilation unit equipped with heat recovery, designed for both residential and commercial spaces. This solution seamlessly integrates air filtration, customizable air flow settings, an electric heater with defrosting capabilities for cold seasons, and a user-friendly interface. Its compact design, complemented by a range of built-in air quality sensors and extensive control features, positions RECOM mini as a top-tier offering on the market.

## FEATURES

RECOM mini is equipped with two EC fans, two filters, two manual adjustable air shutters, a copper heat exchanger, and a heater.

The base version has built-in temperature and humidity sensors, while the «Pro» version is supplemented with a CO<sub>2</sub> and tVOC sensor.

Creates balanced ventilation.

Simultaneously supplies and extracts air through a single hole in the outer wall.

Reducing heat losses caused by ventilation due to heat recovery.

Humidity balance and controllable air exchange create individually controlled microclimate.



## Functions

3 speeds, individual adjustment of both fans from 10 to 100 %

Two individually adjustable manual air shutters

Electric heater with automatic switch-on when the temperature drops

Wi-Fi and Google Assistant

RH%, CO<sub>2</sub>, VOC sensors

Week schedule

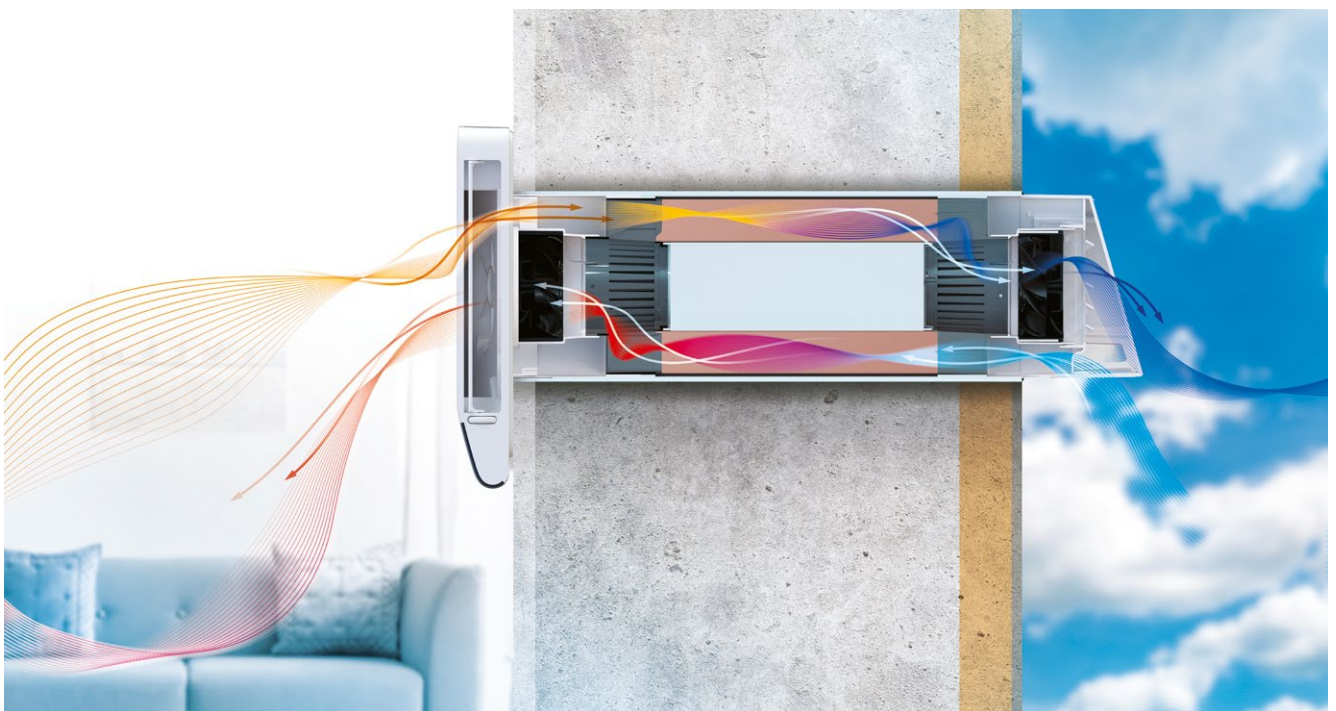
Night timer

Turbo timer

Filter maintenance indication

Alerts notifications

## Operation modes



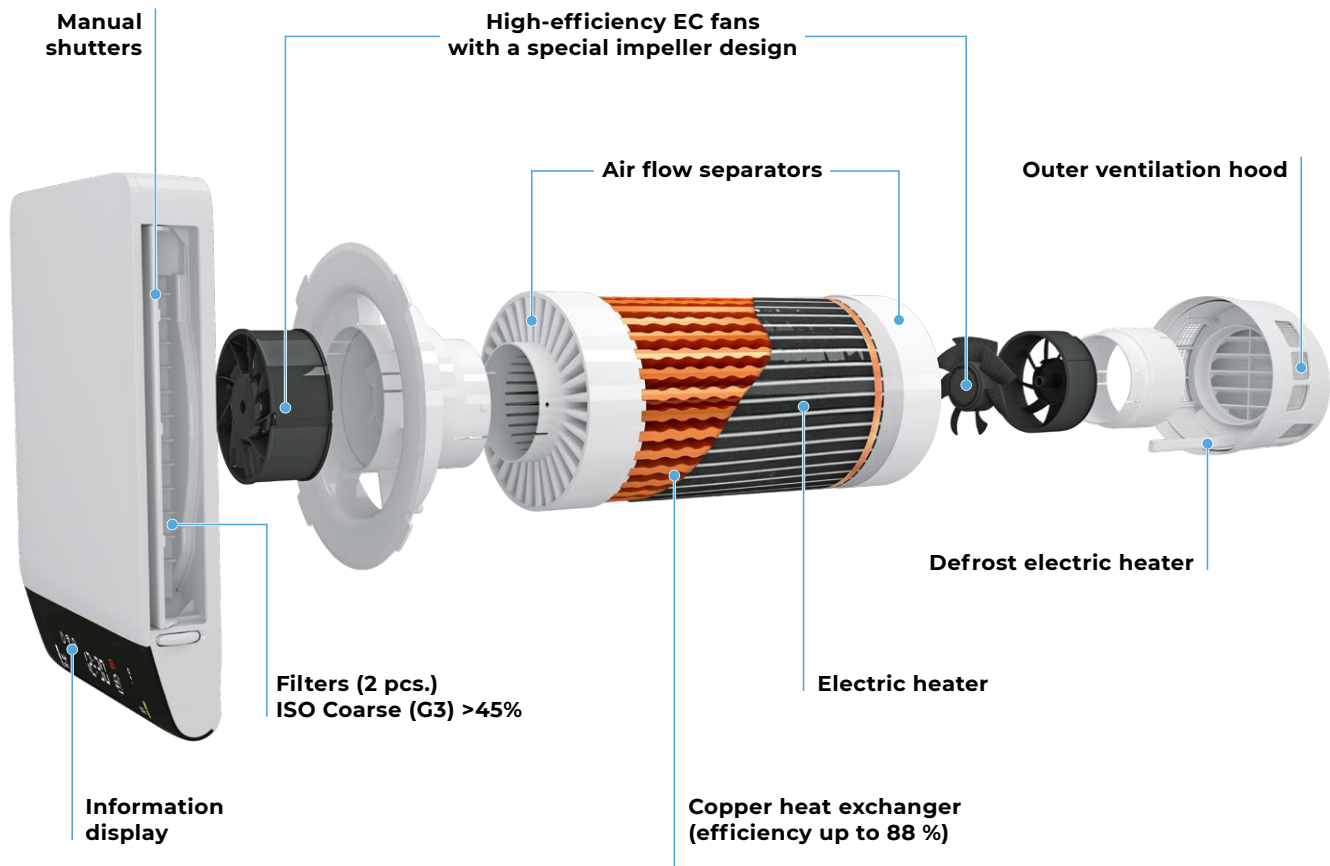
The **simultaneous operation of air supply and exhaust** with heat recovery ensures balanced ventilation through a single channel in the exterior wall

**Fresh air supply** only

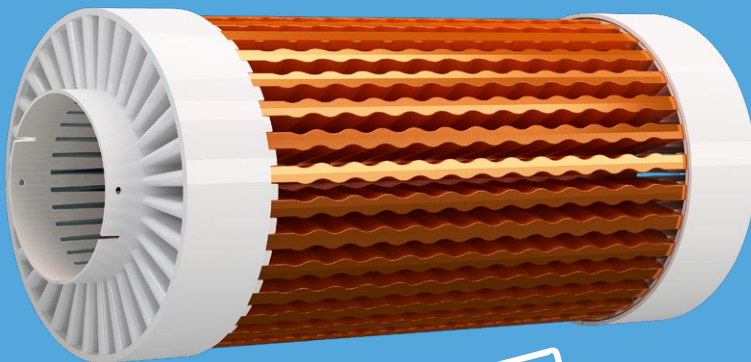
**Exhaust air removal** only

**Automatic mode** ensures the attainment and maintenance of optimal indoor conditions by utilizing data from integrated sensors

## Design



## Heat exchanger



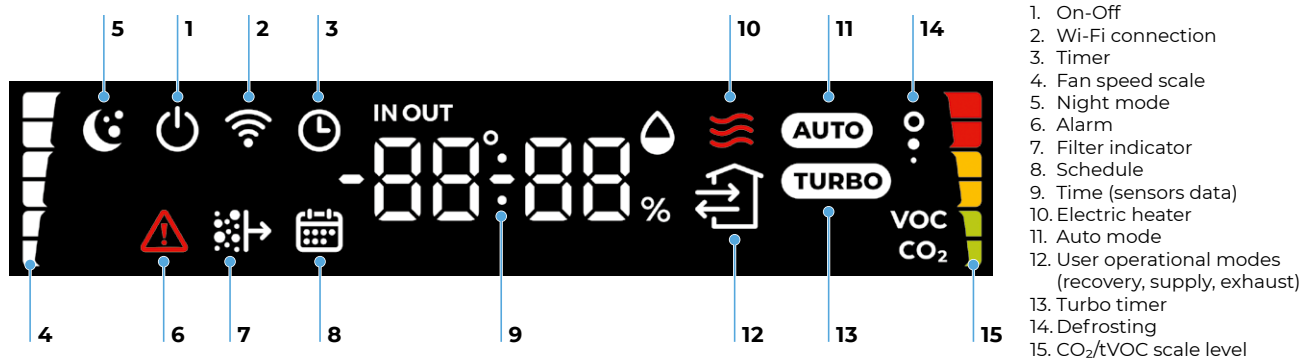
**PATENTED**

### ADVANTAGES

- high-quality copper is traditionally widely used in ventilation and air conditioning systems; this material guarantees the product significant thermal conductivity and antiseptic properties;
- the patented design of wavy fins significantly increases the heat transfer area and enhances the efficiency of heat recovery, all within a compact unit size;
- the heat exchanger's design and automated assembly ensure the tightness of the heat exchanger, while the absence of gaps and porous materials prevents contamination and the proliferation of fungi and bacteria;
- the design of the heat exchanger has low air resistance, so the fans consume less power and create less noise.

## Information display

The brightness intensity of the information screen is automatically adjusted by the built-in light sensor. The display of information on the scoreboard is configured in the smartphone application.



## All functions in your smartphone

The device is equipped with a built-in Wi-Fi module for wireless communication via a smartphone with Android or iOS. RECOM controls home ventilation via a cloud service from anywhere in the world.



### AND EVEN MORE

Just say «Hey Google» and test, control and run RECOM in English, German, Swedish, Norwegian, Danish, Polish, Dutch, French, Spanish\*.



\* Important: The feature availability could depend on your country, region and language. Check it for your speaker/smartphone or ask its manufacturer.

## Overall dimensions [mm]

Model	Ø D	L	L1	Wall thickness
RECOM mini 160-044-E	162	540	439	240*...440
RECOM mini 160-055-E		650	550	450...550
RECOM mini 160-070-E		800	700	560...700
RECOM mini 160-100-E		1100	1000	710...1000
RECOM mini 200-044-E	206	553	447	240*...447
RECOM mini 200-055-E		656	550	460...550
RECOM mini 200-070-E		806	700	560...700
RECOM mini 200-100-E		1106	1000	710...1000

\*with an optional compensator pad



## Technical data

Parameters	RECOM mini 160-E	RECOM mini 200-E
Air flow [m³/h]	57 (70*)	70 (90*)
Heat recovery efficiency [%]	up to 88	up to 85
Power [W]	up to 22	up to 22
Heat exchanger material	copper	copper
Type of HRS	recuperative	recuperative
Sound pressure level LpA at 3 m [dBA]	42	45
Heating	+	+
Electric heater power [W]	100	100
Transported air temperature [°C]	-30...+50	-30...+50
SEC Class	A	A

\* Boost mode

## Assortment

Options & functions	RECOM mini - E	RECOM mini 160 - E-VOC
Heat recovery, supply only, extract only, auto (using temperature sensors) modes	+	-
Heat recovery, supply only, extract only, auto (using temperature and air quality sensors) modes	-	+
3 speeds with independent adjustment from 10 to 100 % for supply and exhaust	+	+
4 temperature sensors (outdoor, supply, exhaust and indoor)	+	+
Light sensor	+	+
Humidity sensor (RH%)	+	+
Carbon dioxide sensor (CO <sub>2</sub> )	-	+
Air quality sensor (tVOC)	-	+
Frost protection and electric heater to maintain a comfortable supply air temperature	+	+
Filter maintenance indication	+	+
Efficiency level indicator	-	+
Remote control using an IR remote control and a smartphone via Wi-Fi	+	+
Functional mobile application with voice control, cloud service	+	+
Functional mobile application with voice control, cloud service and air quality level statistics	-	+
Available features of the mobile application	<ul style="list-style-type: none"> <li>• Speed (3 speeds)</li> <li>• Speed (smooth adjustment)</li> <li>• Heater</li> </ul>	<ul style="list-style-type: none"> <li>• Speed (3 speeds)</li> <li>• Speed (smooth adjustment)</li> <li>• Heater</li> <li>• Temperature and efficiency</li> <li>• Indoor temperature (graph)</li> <li>• Humidity (graph)</li> <li>• CO<sub>2</sub> (graph)</li> <li>• tVOC (graph)</li> </ul>

## Accessories

	RECOM mini 160 - E RECOM mini 160 - E-VOC	RECOM mini 200 - E RECOM mini 200 - E-VOC
External compensator pad	CPO-40 RECOM mini 160; CPO-80 RECOM mini 160; CPO-120 RECOM mini 160; CPO-160 RECOM mini 160; CPO-200 RECOM mini 160	CPO-40 RECOM mini 200; CPO-80 RECOM mini 200; CPO-120 RECOM mini 200; CPO-160 RECOM mini 200; CPO-200 RECOM mini 200
Rubber decorative cuff for indoor installation	RP RECOM mini 160	–
Metal cuff for outdoor installation	–	MP RECOM mini 200
Filter G3	SF RECOM mini G3 (2 pcs.)	
Filter G4	SF RECOM mini G4 (2 pcs.)	