

Series RECOM 2SR EC L/R



Air handling units in heat- and sound-insulated casing.
Air flow up to **270 m³/h**.
Heat recovery efficiency up to **92%**

Description

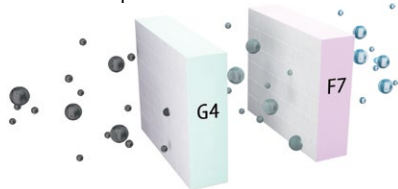
The **RECOM SR EC** air handling units are the fully-featured ventilation units that ensure air filtration, fresh air supply and stale air extraction.
Used in ventilation that requires an economical solution and a controlled ventilation system.

Casing

Made of polymer-coated steel, internally filled with a mineral wool heat- and sound-insulating layer.
RECOM SR EC – left-handed version.
RECOM SR EC – right-handed version.

Filter

Two built-in **Coarse > 60% (G4)** filters provide efficient air filtration. **ePM1 65% (F7)** supply filter can be installed as an option.



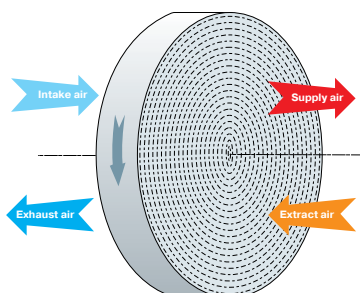
Fans

The units are equipped with high-efficiency EC motors with an external rotor and a centrifugal impeller.

Rotary heat exchanger

The units are equipped with a rotary heat exchanger. As compared to plate heat exchangers, the rotary heat exchangers are distinguished with no condensate forming, ability to maintain comfortable air humidity and extremely low freezing danger.

RECOM SRS units are equipped with enthalpy rotary heat exchanger.



Rotary heat exchanger operation principle

Heater

The units **RECOM 2SR EC L/R** are equipped with an electric heater.

Automation

The units are equipped with an integrated control system. The **REC** controller allows to integrate the unit into the **Smart Home system** or **BMS (Building Management System)**. To control the unit via Wi-Fi, download the **RECOM Home** smartphone app.



Google play



Download on the App Store



Decorative panel

DP-2SR decorative panel, painted sheet metal, designer to enhance the appearance of products.



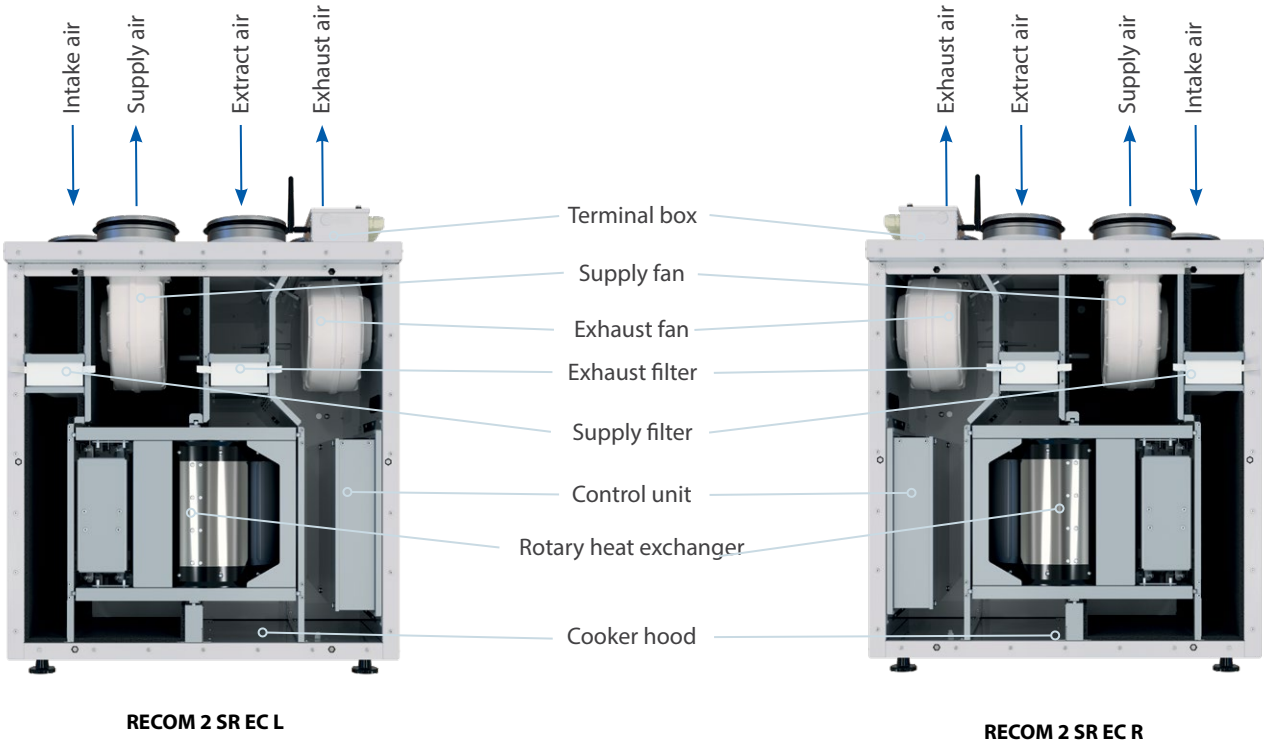
Control and automation

Functions	REC
	FP (option)
Wired remote control panel	
Control via a wired remote LCD control panel	FPD (option)
Wireless remote control panel	FP Wi-Fi (option)
BMS	ModBus RTU (RS-485) ModBus TCP/IP (Wi-Fi, Ethernet)
Recom Cloud Server service	+
Control via Wi-Fi using a smartphone app	+
Frost protection	+
Bypass	Auto, manual
Week-scheduled operation	+
Filter replacement indication	Filter timer
Alarm indication	+
Speed selection	+
Timer	+
RH% sensor	Option
CO ₂ sensor	Option
VOC sensor	Option
PM2.5 sensor	Option
Boost mode	+
Fireplace mode	+
Fire alarm sensor connection	+
Minimum supply air temperature control	+

Designation key

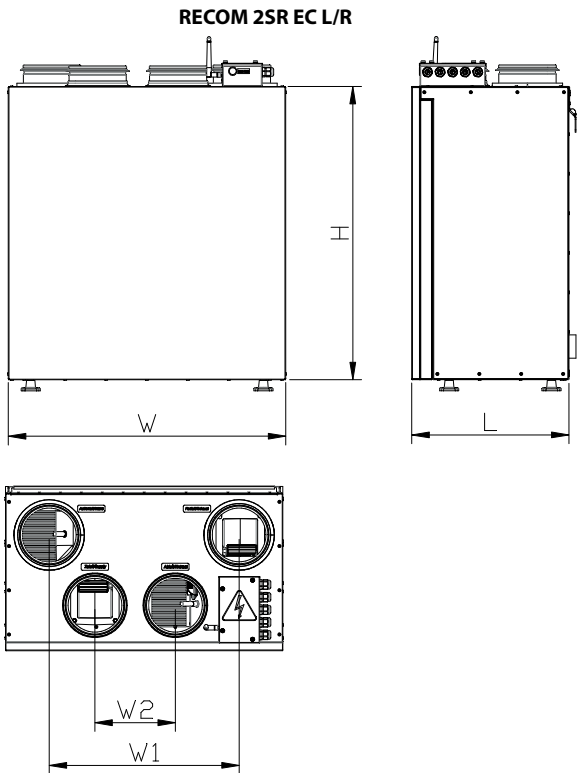
Series	Size [m³/h/10]	Modification	Mounting	Heater	Motor	Service Side	Control panel
SR : unit with condensation rotary heat exchanger SRS : unit with sorption rotary heat exchanger	20	0, 1, 2...	V : vertical	E : electric re-heater	EC : EC-motor	R : right L : left	REC

Unit design



Overall dimensions

Model	Dimensions [mm]					
	H	W	W1	W2	L	L1
RECOM 2SR EC L/R	630	596	408	173	338	-

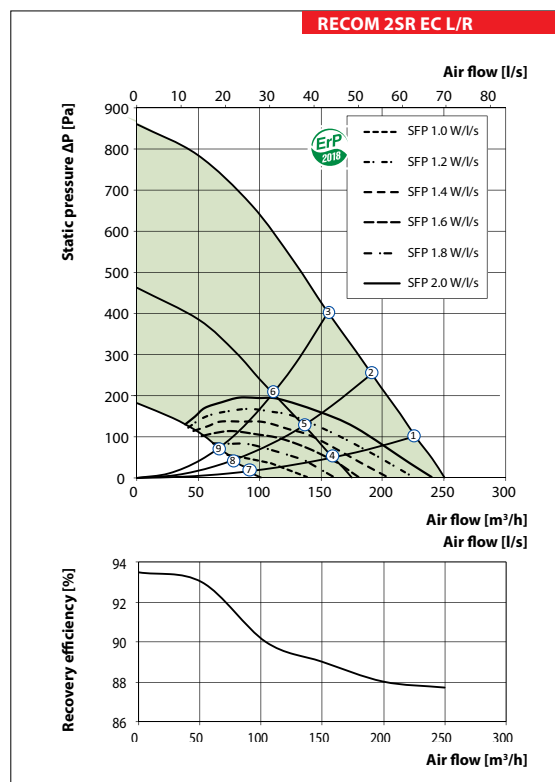


ROTARY HEAT RECOVERY UNITS

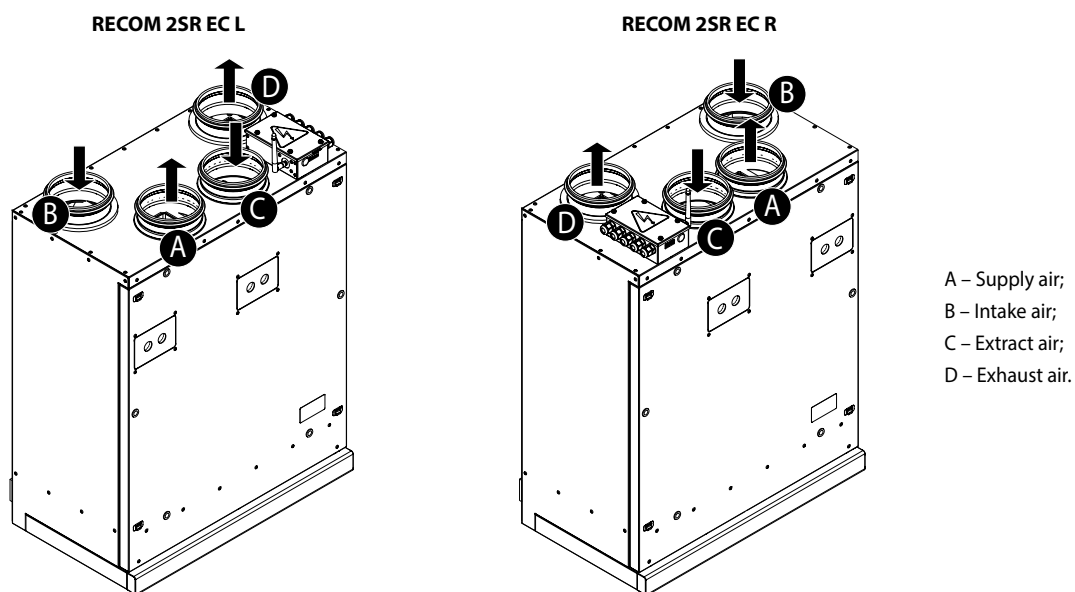
Technical data

	RECOM 2SR EC L/R	RECOM 2SRS EC L/R
Voltage [V / 50-60 Hz]	1~ 230	
Max. unit power without electric heater [W]	187	
Integrated electric heater power [W]	700	
Max. unit power [W]	887	
Max. unit current without electric heater [A]		
Integrated electric heater current [A]	3.1	3.1
Max. unit current [A]	4.2	4.2
Max air flow [m³/h]	250	
Sound pressure level at 3 m distance* [dBA]	24	
Transported air temperature [°C]	from -25 up to +40	
Case material	painted steel	
Insulation	25 mm, mineral wool	
Extract filter	G4 / Coarse > 60%	
Supply filter	G4 / Coarse > 60% (option F7 / ePM1 60%)	
Connected air duct diameter [mm]	125	
Weight [kg]	46	
Heat recovery efficiency [%]	93	86
Heat exchanger type	condensing	enthalpy
SEC class	A	A

*Sound pressure level [dBA] at 3 m distance is specified at point 4 in average spherical free-field, for comparative use only.

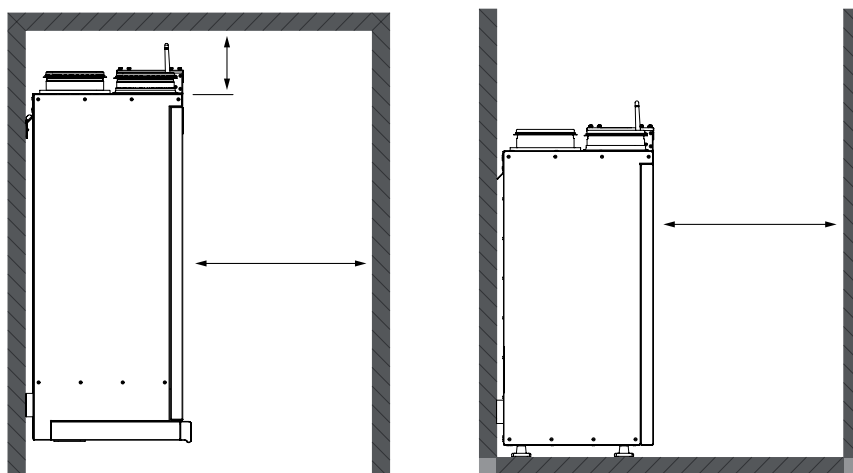


RECOM 2SR EC L/R Version



MOUNTING AND SET-UP

The unit must be mounted so that it is easily accessible for maintenance and repair. The minimum recommended distances between the unit and walls are shown in the figure below.



Accessories for air handling units

Model	Decorative panel	Filter G4	Filter F7	Control panel	Control panel	Wi-Fi Control panel
						
RECOM 2SR EC L/R	PD-VUTR 200 VEK N	SF 261x86x48 G4	SF 261x86x48 F7	A25	A22	A22 Wi-Fi