



REC SanAir WALL



REC SanAir IN WALL

# REC SanAir

Decentralized Heat Recovery Unit



Single rooms up to 30 m<sup>2</sup>

Classe energetica **A**



Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014

Classification: Residential Ventilation Unit.

- Thermal efficiency up to **82%**
- Highly efficient filtering system HEPA + G4
- Enthalpic heat exchanger
- Tested by **TÜV**
- Technical data certified according to EN13141-8

## REMOTE CONTROL

REC San Air is supplied with a remote control for the set-up of the ventilation level and the free cooling function (with programmable timer up to 10 hours).



## DESCRIPTION

- Decentralised heat recovery unit with high efficiency enthalpic heat exchanger for residential application.
- Thermal efficiency up to 82%.
- Very high efficiency filtering system with double filter HEPA + G4 which allows the retention of at least 98% of PM2,5, 99,5% of PM10, 100% of pollens and 80% of PM1.
- Ultra slim and aesthetic design. Lightweight and easy to install.
- Wall installation
- 5 ventilation levels: from 15 to 41 m<sup>3</sup>/h.
- Free-cooling and Antifreeze functions.
- Low consumption: from 4,6 W
- High acoustic insulation D<sub>new</sub> = 53 - 55 dB
- Comply with B.T. 2014/35/UE, EMC 2014/30/UE.
- **CE** marked



The system effectively helps to prevent the formation of mold on the walls when caused by insufficient natural ventilation.

# MODELS

## REC SanAir WALL

- Installation on all kind of perimetric wall.
- Unique model for horizontal or vertical installation.
- Easy installation: **2 holes of Ø80 mm** are sufficient.



### PRODUCTS

INSTALLATION	PRODUCT	CODE	MODEL
<b>REC SANAIR WALL - Wall installation - Horizontal or vertical installation</b>			
		<b>45A0000</b>	REC SanAir WALL

# MODELS

## REC SanAir IN WALL

- Installation on any kind of perimetrical wall.
- Built-in horizontal or vertical installation.



PRODUCTS				
INSTALLATION	PRODUCT	CODE	MODEL	
<b>REC SANAIR IN WALL</b>	<b>Built-in horizontal or vertical installation with DIRECT OUTPUT</b>			
<p>with 5KT0009 and protruding cover 5FR0000</p> <p>with 5KT0010</p>		<b>4SA0001</b>	REC SanAir WALL IN	
		<b>5CS3101</b>	Built-in frame with rear in EPS	
	<b>EXTENSIONS</b>			
		<b>5KT0009</b>	External extensions for REC SanAir with direct output	
		<b>5KT0010</b>	External extensions 45° curved for REC SanAir 45° (to form a curve of 90°)	
	<b>COVER</b>			
		<b>5FR5000</b>	REC San Air white cover RAL 9016	
		<b>1KT0097</b>	Kit cover flush with the wall	
	<b>Built-in horizontal or vertical installation with PERPENDICULAR OUTPUT</b>			
		<b>4SA0001</b>	REC SanAir WALL IN	
	<b>5CS3100</b>	Built-in frame in EPS with rear + 90° curve		
<b>EXTENSIONS</b>				
	<b>5KT0009</b>	External direct extensions		
<b>COVER</b>				
	<b>5FR5000</b>	REC San Air white cover RAL 9016		
	<b>1KT0097</b>	Kit cover flush with the wall		

## PERFORMANCE

SPEED	AIRFLOW	ABSORPTION	SOUND PRESSURE dB (A) (1)		THERMAL EFFICIENCY
	m <sup>3</sup> /h		W	Lw	
1	15	4,6	37	19	82
2	20	5,8	40	22	79
3	30	10,3	45	27	74
4	35	14,6	48	30	72
5	41	20,6	51	33	69

(1) at 3 m in free field

## TECHNICAL DATA

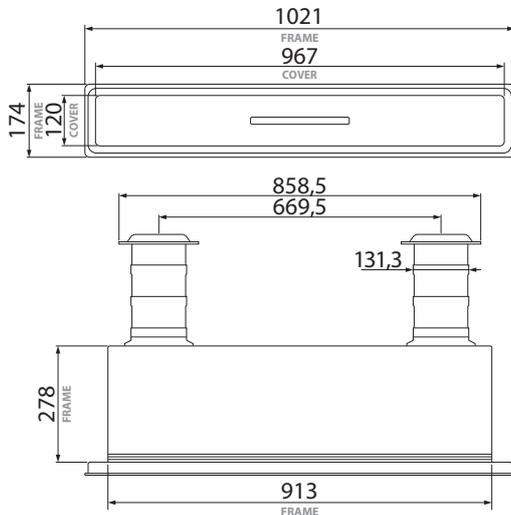
Heat recovery depending in T, RH, AIRFLOW	up to 82%
Rated input voltage	220 V a.c.
Internal operating voltage	24V c.c.
Power supply	230V / 50 Hz
Safety class	II
Safety	Transformer provided with thermal protection
Protection grade	IPX4
Connection cable length	2,5 mt
Temperature range	Min. -20°C / Max 50°C
Thermal transmission coefficient	U = 0,3 W/m <sup>2</sup> K
Noise attenuation	Dnew=55dB
Provided filters	HEPA + G4 - immission G4 - extract

## ACCESSORIES / SPARE PARTS

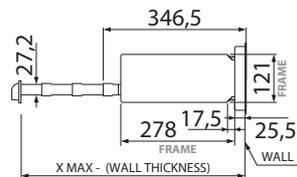
	<b>5KT0011</b>	Direct extension kit - 10 pcs
	<b>5SL0050</b>	Remote control
	<b>UPON REQUEST</b>	Filter HEPA + G4
	<b>5FI1128</b>	Template for flush to the wall

## Dimensions Versions IN WALL

### Horizontal configuration with cover flush with the wall

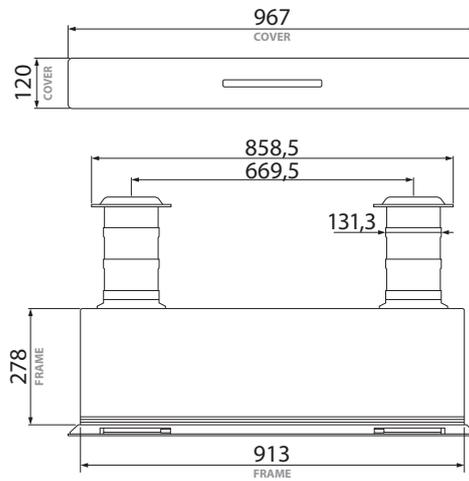


X MAX mm	SPIGOT L = 70 mm	EXTENSION L = 75 mm
396	1+1	NO
471	1+1	1+1
546	1+1	2+2
621	1+1	3+3
696	1+1	4+4
771	1+1	5+5
846	1+1	6+6

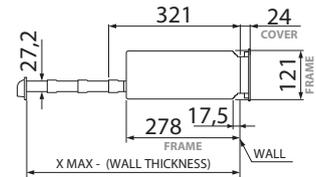


In case of wall thickness < to the measures indicated it is sufficient to cut the extensions or spigots on site.

### Horizontal configuration with external cover

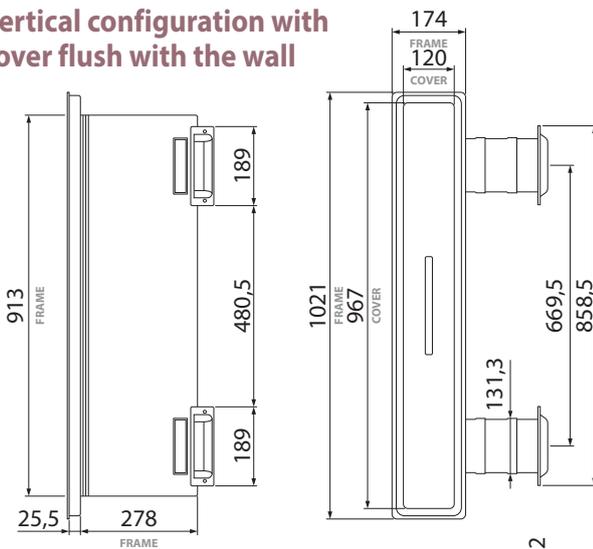


X MAX mm	SPIGOT L = 70 mm	EXTENSION L = 75 mm
371	1+1	NO
446	1+1	1+1
521	1+1	2+2
596	1+1	3+3
671	1+1	4+4
746	1+1	5+5
821	1+1	6+6

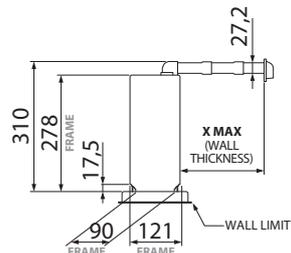


In case of wall thickness < to the measures indicated it is sufficient to cut the extensions or spigots on site.

### Vertical configuration with cover flush with the wall

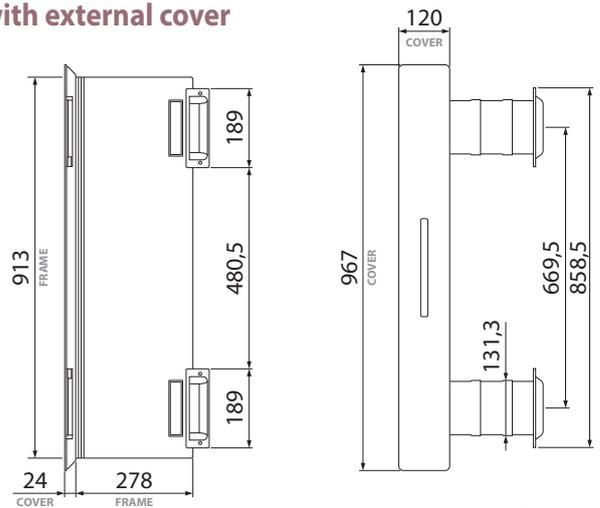


X MAX mm	SPIGOT L = 70 mm	EXTENSION L = 75 mm
48	1+1	NO
123	1+1	1+1
198	1+1	2+2
273	1+1	3+3

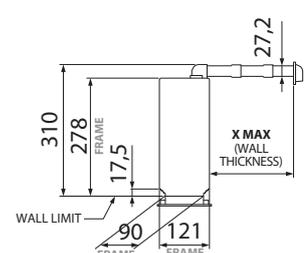


In case of wall thickness < to the measures indicated it is sufficient to cut the extensions or spigots on site.

### Vertical configuration with external cover



X MAX mm	SPIGOT L = 70 mm	EXTENSION L = 75 mm
48	1+1	NO
123	1+1	1+1
198	1+1	2+2
273	1+1	3+3



In case of wall thickness < to the measures indicated it is sufficient to cut the extensions or spigots on site.

Dimensions Version WALL

