Decentralized ventilation unit, with heat recovery, for single rooms in domestic or commercial applications. Elegant design that allows its adaptation to any environment. Brushless motor with low comsumption electronic control. Ventilation system through an reversing motor and a heat exchanger with a performance up to 93%. Designed for a continuous operation, the unit adjusts the airflow proportionally to the humidity level (model RD), ensuring excellent indoor air quality.

Characteristics

- Ceramic heat exchanger.
- Alternative ventilation system. 70 second cycles in supply and extraction.
- Filter at both ends of the exchanger.
- Defrost control not required.
- Flow up to 30 m^3/h models 100 N / 100 RD N.
- Flow up to 60 m^3/h models RESPIRO 150 N / 150 RD N.
- Supply voltage 220-240V.

MODELS RESPIRO 100 N / 150 N

- 3 speeds per manual control.
- Remote control.

MODELS 100 RD N / 150 RD N

- 3 speeds.
- Remote control.
- Possibility of synchronizing different equipment (up to 16).
- Proportional flow according to hygrostat.

Remote control of model RESPIRO RD
3 speeds
Humidity control
Modes:
- Only extraction
- Only supply
- Reversing impulsion and extraction.
- Security is only activated if humidity exceeds the limit.

Remote control of model RESPIRO N
3 speeds.
Manual control.

Ceramic heat exchanger
with performance up to 93%, protected with a G3 filter at both ends

Internal front cover
of elegant design, which allows adaptation to any environment.

Specific applications

VMC Single Dwellings

VMC Multi dwelling blocks

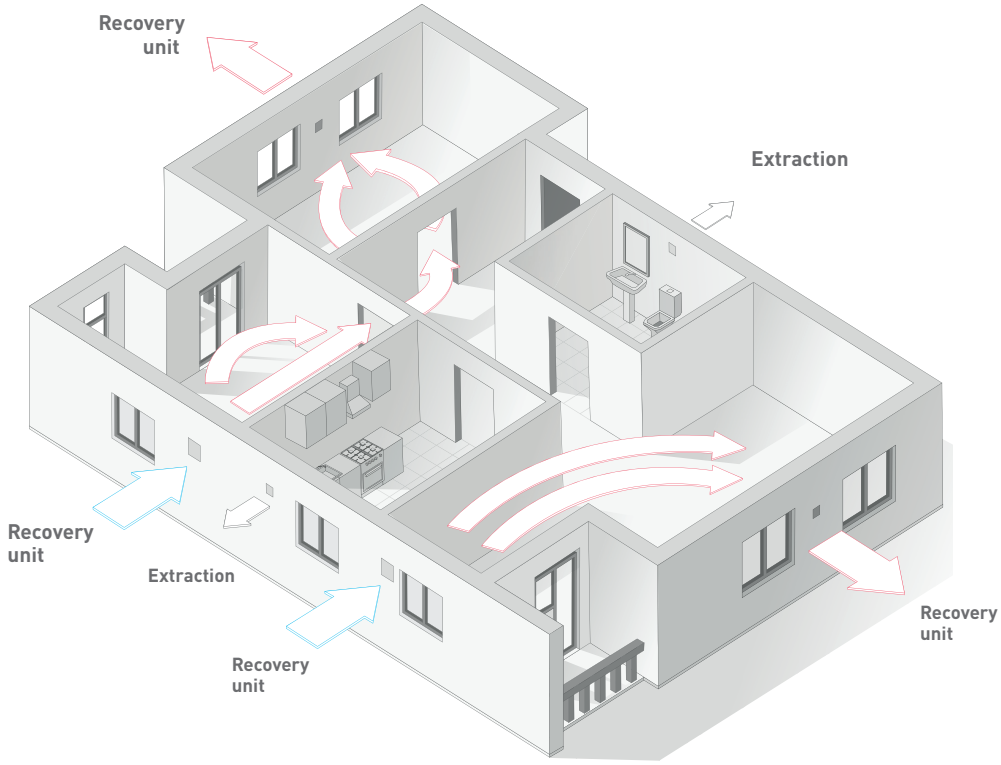
Heat recovery units

TECHNICAL CHARACTERISTICS

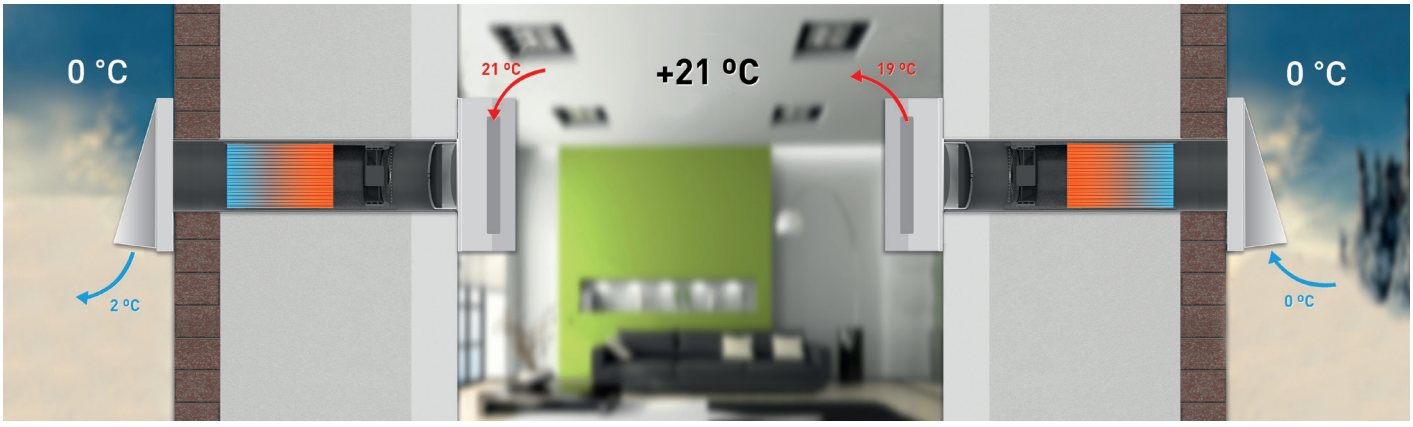
It is essential to check that the electrical characteristics (voltage, current, frequency, etc.) which appear on the plaque are compatible with those of the installation.

Model	Speed (m/s)	Absorbed power (W)	Maximum airflow (m^3/h)	Sound pressure level (dBA) at 3 m	Maximum performance	Medium performance
RESPIRO 100 N RESPIRO 100 RD N	1 (BAJA)	5,5	15	19	93%	70%
	2 (MEDIA)	6,5	22,5	24	93%	74%
	3 (ALTA)	7,5	30	29	93%	78%
RESPIRO 150 N RESPIRO 150 RD N	1 (BAJA)	5,5	30	13	93%	70%
	2 (MEDIA)	7,5	45	20	93%	74%
	3 (ALTA)	10,0	60	23	93%	78%

OPERATING PRINCIPLE

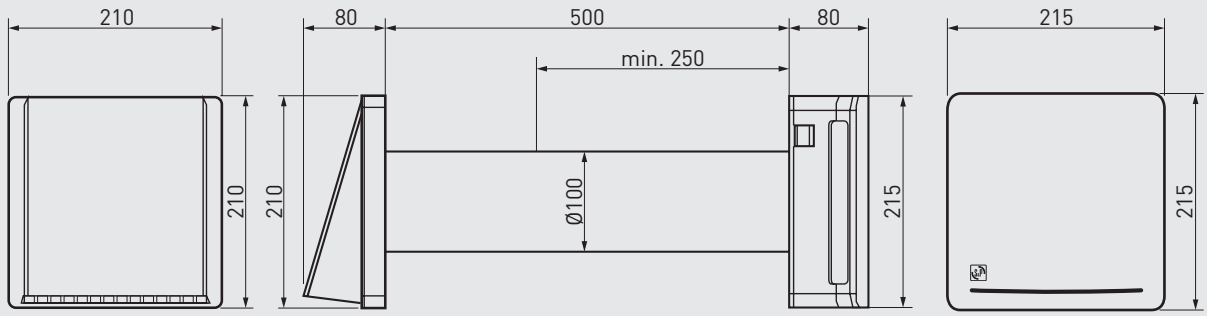


WINTER ENERGY RECOVERY

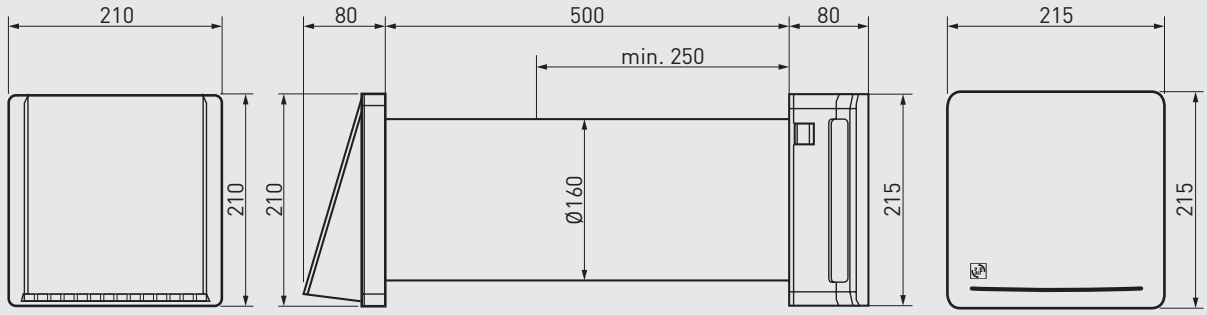


DIMENSIONS (mm)

RESPIRO 100 N / 100 RD N MODELS



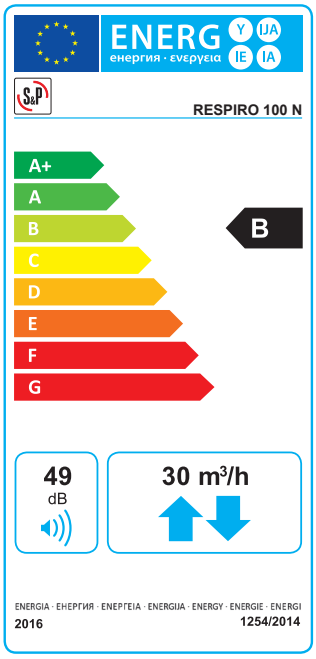
RESPIRO 150 N / 150 RD N MODELS

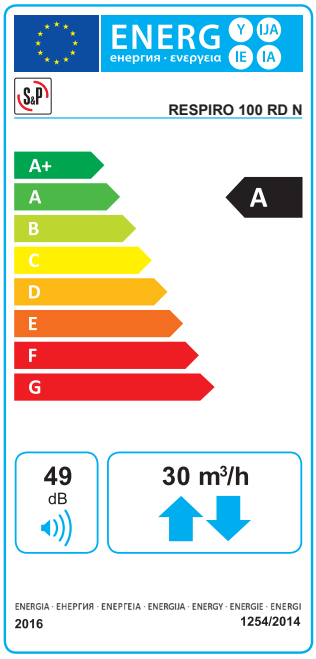


DECLARATION OF PERFORMANCE

In accordance with EU regulation nº 1254/2014

	RESPIRO 100 N						RESPIRO 100 RD N					
Specific energy consumption (SEC) [Kwh(m².a)]	**Cold**		**Warm**		**Hot**		**Cold**		**Warm**		**Hot**	
	-65,2	**A+**	**-31**	**B**	**-8,8**	**F**	**-75,1**	**A+**	**-38,4**	**A**	**-14,7**	**E**
Energy label SEC	B						A					
Tipology (MISC)	Bidirectional						Bidirectional					
Type of driver	Variable speed (3V)						Variable speed (3V)					
Type of heat recovery system (HRS)	Regenerative						Regenerative					
Thermal efficiency of heat recovery (n0 - %)	78,2						78,2					
Max airflow (qv/max - m³/h)	30						30					
Electric power absorption, max airflow (Pel. max - W)	7,5						7,5					
Sound power level (Lwa - dB (A))	49						49					
Reference flow rate (qv/ref - m³/h)	22,5						22,5					
Reference pressure difference (Ptu,d-Pa)	0						0					
Specific power input (SPI - W/m³/h)	0,29						0,29					
Control typology (CTRL)	Manual control (1)						Local demand control (0,65)					
Maximum internal leakage rate (W-%)	0						0					
Maximum external leakage rate (x-%)	0						0					
Internal mixing rate (y-%)	0						0					
External mixing rate (z-%)	0						0					
Disassembly instruction	www.solerpalau.com						www.solerpalau.com					
Airflow sensitivity to pressure variations at +20Pa (V-%)	---						---					
Indoor/outdoor air tightness (qv,io-m³/h)	D1						D1					





DECLARATION OF PERFORMANCE

In accordance with EU regulation nº 1254/2014

	RESPIRO 150 N						RESPIRO 150 RD N					
Specific energy consumption (SEC) [Kwh(m².a)]	**Cold**		**Warm**		**Hot**		**Cold**		**Warm**		**Hot**	
	-69,4	**A+**	**-35,2**	**A**	**-13**	**E**	**-77,3**	**A+**	**-40,6**	**A**	**-16,9**	**E**
Energy label SEC	A						A					
Tipology (MISC)	Bidirectional						Bidirectional					
Type of driver	Variable speed (3V)						Variable speed (3V)					
Type of heat recovery system (HRS)	Regenerative						Regenerative					
Thermal efficiency of heat recovery (n0 - %)	78,2						78,2					
Max airflow (qv/max - m³/h)	60						60					
Electric power absorption, max airflow (Pel. max - W)	10						10					
Sound power level (Lwa - dB (A))	42						42					
Reference flow rate (qv/ref - m³/h)	45						45					
Reference pressure difference (Ptu,d-Pa)	0						0					
Specific power input (SPI - W/m³/h)	0,17						0,17					
Control typology (CTRL)	Manual control (1)						Local demand control (0,65)					
Maximum internal leakage rate (W-%)	0						0					
Maximum external leakage rate (x-%)	0						0					
Internal mixing rate (y-%)	0						0					
External mixing rate (z-%)	0						0					
Disassembly instruction	www.solerpalau.com						www.solerpalau.com					
Airflow sensitivity to pressure variations at +20Pa (V-%)	---						---					
Indoor/outdoor air tightness (qv,io-m³/h)	D1						D1