SINGLE ROOM HEAT RECOVERY UNIT

ASPIRVELO AIR
ECOCOMFORT RF series

- ➲ Ø 160 and 100 mm

- ➲ Wireless control

- ➲ Temperature, humidity and brightness sensors

- ➲ Up to 64 units can be controlled simultaneously

- ➲ Wall mounting

- ➲ Suitable for rooms up to 50 m²*

- ➲ Low noise level

- ➲ High efficiency ceramic heat exchanger up to 90%

*based on:
- air exchange equal to 0.5 Vol / h
- local height 2.70 meters
Calculation example: ambient surface x 2.70 meters x 0.5 Vol / h

3 years guarantee

IP40
Remote control

IPX4
Heat recovery unit

ENERG
aspira AP19981
ECOCOMFORT 160 RF
A
45 db
68 m³/h

DESCRIPTION:
The "ECOCOMFORT-RF" system is composed by one or more single-room high efficieny heat recovery units suitable for exterior walls installation.
Thanks to the ceramic heat exchanger inside the unit, the heat of the extracted air is accumulated in the heat exchanger and released to the air flow in the intake cycle. The unit is equipped with a G3 filter.
Each ventilating unit is equipped with a DC brushless motor with low power cosumption controlled by a microprocessor which automatically sets the speed according to the temperature, humidity and light brightness readings of the sensors on board to ensure the best confort.

Installation options: 1 "Master" unit with its remote control and up to 64 slave / additional units.

The remote control, thanks to its intuitive graphics, allows the user to set and modify the desired operating mode and to verify the setting status.
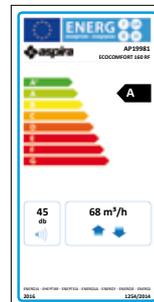
CHARACTERISTICS:
- ■ Body made in antistatic ABS plastic;
- ■ Operating temperature -20 ° C to 50 ° C;
- ■ Compact dimensions and easy to install;
- ■ Remote control with touch key pad and blue LEDs
- ■ Telescopic body to fit every wall thickness;
- ■ External grille easy to install either from indoor or
- ■ outdoor;
- ■ G3 filter;
- ■ Flow rectifier to grant higher performances, only for 160mm models
- ■ In compliance to UE Reg. 1254/2014

KIT AP19981 and AP19987 include:
- ■ Heat recovery unit with grille;
- ■ RF remote control.

ACCESSORIES AND SPARE PARTS:
- ■ Heat recovery unit with grille;
- ■ External air supply terminal;
- ■ G3 filter.

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DIMENSIONS

MODELLO	A	B	C	D	E	F	G	H
ECOCOMFORT 160 RF	180	160	530	47	20	190	125	60
ECOCOMFORT SAT 160 RF		160	530					
ECOCOMFORT 100 RF		107	570					
ECOCOMFORT SAT 100 RF		107	570					

Dimensioni (mm)

HEAT RECOVERY UNIT

EXTERNAL GRILLE

RF REMOTE CONTROL
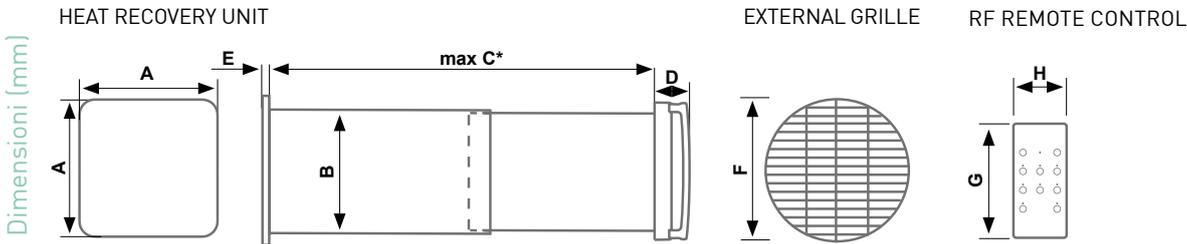
* In case of wall thickness less than 280mm cut the telescopic tube to the needed length and use a standard external grille (not supplied with the product)

TECHNICAL FEATURES

CODE	MODEL	Ø	SQM	Speed	m³/h	W	Power supply	dB(A) 1,5 mt
AP19981	ECOCOMFORT 160 RF	160 mm ——— 100 mm	50 mq*	low	28	2,0	230V~ 50Hz	27
				medium	48	3,8		32
				high	68	6,6		38
				sleep	15	na		na
AP19987	ECOCOMFORT 100 RF	160 mm ——— 100 mm	22 mq*	low	8	2,0	230V~ 50Hz	18
				medium	18	3,8		23
				high	30	6,6		28
				sleep	4	na		na

* based on: air exchange equal to 0.5 Vol / h and local height 2.70 meters
Calculation example: ambient surface x 2.70 meters x 0.5 Vol / h
By increasing the number of slave units it is possible to increase the coverage in square meters.

KIT AP19981 and AP19987 include: heat recovery unit, telescopic body, grille and RF remote control

HEAT RECOVERY UNIT
- Ventilating unit with DC motor;
- PVC shockproof telescopic body;
- Ceramic heat exchanger with efficiency ›90%;
- G3 filter.
- RF range: 100 mt open air, 30 mt indoor
- Power supply 230V~ 50Hz;
- Brightness and humidity sensors
- Temperature sensor (only Master unit);
- RF range: 100 mt open air, 30 mt indoor
- Splash proof protection class: IPX4
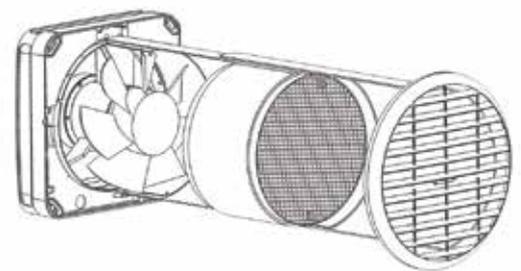
RF REMOTE CONTROL
- Touch keypad
- Feedback through 9 blu leds
- Supply: 2 batteries type CR2032 (included)
- RF range: 100 mt open air, 30 mt indoor
- Protection class IP40;
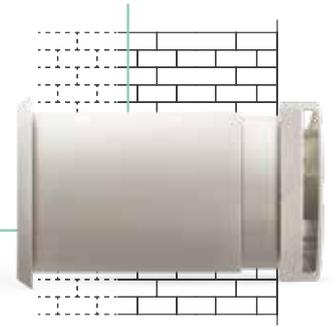- Battery operation life: about 18 months (2 x CR2032 included).

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INSTALLATION

Ecocomfort must be installed on the external walls. Thanks to the telescopic body it fits easily every wall thickness between 24 and 53 cm.

The external grille can be easily installed from outside or inside without the need of any scaffolding.

Telescopic adapter to suit different wall thickness minimum length 24 cm, maximum length 53 cm
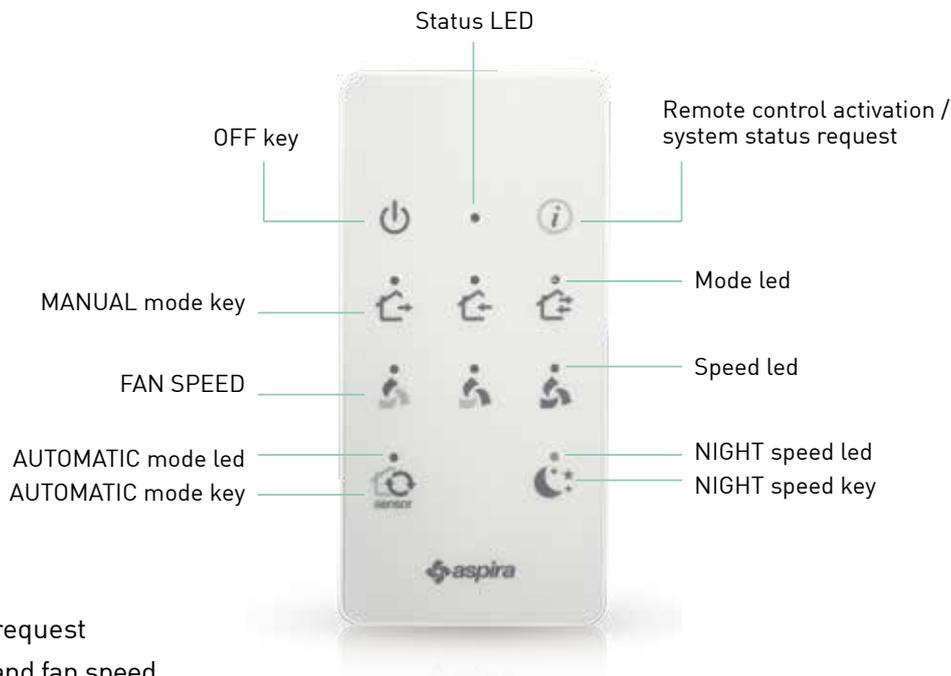
External grille easy to install either from inside

OPERATION

REMOTE CONTROL

Status LED

OFF key

Remote control activation / system status request

MANUAL mode key — Mode led

FAN SPEED — Speed led

AUTOMATIC mode led — NIGHT speed led
AUTOMATIC mode key — NIGHT speed key

■ **System status request**
  (i) Set mode and fan speed

■ **Manual mode setting**
  ⬆ Air intake (30 minutes temporary mode)
  ⬆ Air extraction (30 minutes temporary mode)
  ⬆ Alternate air intake / extraction (45 seconds cycle)

■ **Automatic mode setting**
  The master ventilating unit regulates automatically adjusts air intake / extract cycles and the fan speed according to the roon / ambient conditions according to temperature, humidity and light brightness readings

■ **Fan speed setting**
  🖐 high speed
  🖐 medium speed
  🖐 low speed
  🌙 minimum speed

ACCESSORIES

SECONDARY HEAT RECOVERY UNIT

- Suitable to ventilate other rooms
- Up to 63 units can be controlled with 1 control unit

CODE	MODEL	Speed	m³/h	W	Power supply	dB(A) 1,5 mt	For use with
AP19982	ECOCOMFORT SAT 160 RF	low	28	2,0	230V~ 50Hz	27	AP19981
		medium	48	3,8		32	
		high	68	6,6		38	
		sleep	15	nd		nd	
AP19988	ECOCOMFORT SAT 100 RF	low	8	2,0	230V~ 50Hz	18	AP19987
		medium	18	3,8		23	
		high	30	6,6		28	
		sleep	nd	nd		nd	

KIT AP19982 and AP19988 include: heat recovery unit, telescopic body, grille.

G3 SPARE FILTER

CODE	MODEL	For use with
AP19978	Filter FR004	all ECOCOMFORT models

ELECTRICAL SCHEMES

HEAT RECOVERY UNIT
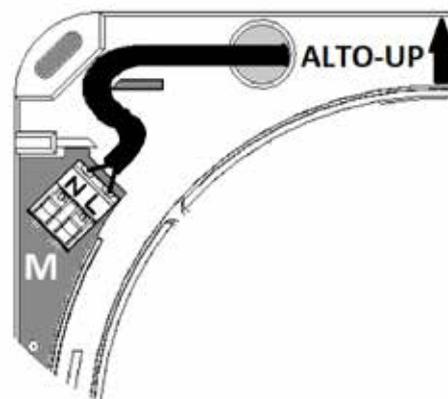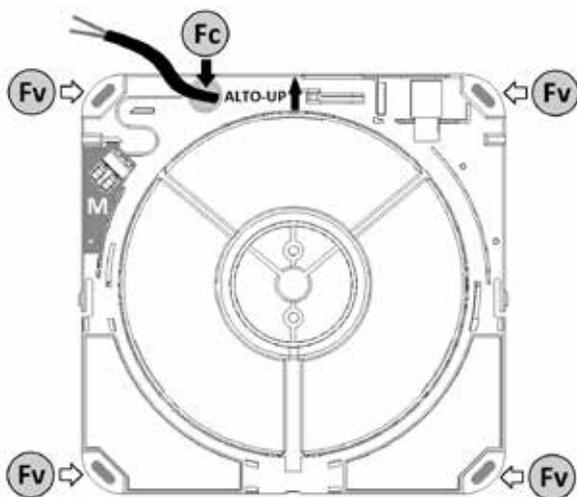
KEY:

M = Terminal board 230V
L = Supply wire
N = Neutral wire

FC = cable hole
FV = screw hole