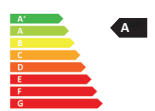


ECOCOMFORT 3

SINGLE-ROOM MVHR

- Nominal diameter 160 mm
- Humidity, air quality, twilight, and temperature sensors
- Configuration and control via APP with multi-connectivity system (WiFi and Bluetooth Low Energy 5.0)
- Installation on perimeter wall
- High-efficiency regenerative ceramic heat exchanger (up to 90%)
- Summer free-cooling function



ECOCOMFORT 3 ensures a constant exchange of clean air in indoor environments without the need to open windows, effectively preventing the formation of humidity and mold while improving air quality and living comfort.

Inside the unit, a high-efficiency regenerative ceramic heat exchanger stores the heat from the outgoing air and uses it to warm the incoming air. This process allows energy recovery, avoiding unnecessary thermal dispersion.

ECOCOMFORT 3 is equipped with an ISO COARSE efficiency class filter that retains any impurities from the incoming air, **enhances air quality, and prevents the development of mold and humidity.**

The low-consumption DC brushless motor, controlled by a microprocessor, processes data from the onboard sensors—temperature, air quality (iAQ), humidity, and twilight.

The values detected by these sensors enable the unit to automatically select the most appropriate ventilation mode to ensure optimal indoor comfort. Thanks to its integrated multi-connectivity, ECOCOMFORT 3 can be managed through the Intelliclima+ app, allowing complete configuration and control of both ventilation functions and Fantini Cosmi smart thermostats, creating a fully integrated smart home system. The unit is designed for installation on perimeter walls but also performs optimally in ducted installations up to 3 linear meters, or 2.5 meters with a bend.

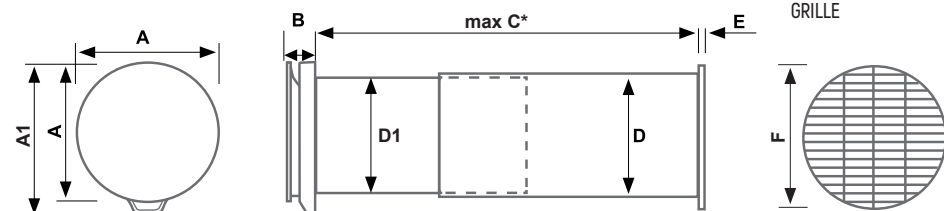
TECHNICAL FEATURES

Code		AP19996			
Pipe diameter (mm)		DN 160			
Power supply		110÷230 Vac ~ 50/60Hz			
Airflow rate (m³/h)	Speed 1	30			
	Speed 2	50			
	Speed 3	75			
	Speed Sleep (night)	15			
	Boost speed (*)	100			
Power consumption (W)	Speed 1	3			
	Speed 2	5			
	Speed 3	8			
	Speed Sleep (night)	2,5			
	Boost speed (*)	20			
Sound level [dB(A)]	Speed 1	dB(A) 1,5 m	20,5	dB(A) 3 m	15,0
	Speed 2		29,5		23,5
	Speed 3		37,0		31,5
	Speed Sleep (night)		n.d.		n.d.
	Boost speed (*)		45,8		40,5
Operating temperature		-20°C ÷ +50°C			
Filter classification		ISO COARSE			
IP		X4			
Heat recovery efficiency		Up to 90%			

(*) Speed not manually selectable

DIMENSIONS (mm)

VENTILATION UNIT WITH HEAT RECOVERY



MODEL	A	A1	B	C	D1	D	E	F
ECOCOMFORT 3	230	250	55	280÷530	154 (Ø external)	160 (Ø external)	20	190
					150 (Ø internal)	156 (Ø internal)		

* For wall thicknesses between 230 mm and 280 mm, cut the duct and use a standard external grille (not included).

FEATURES:

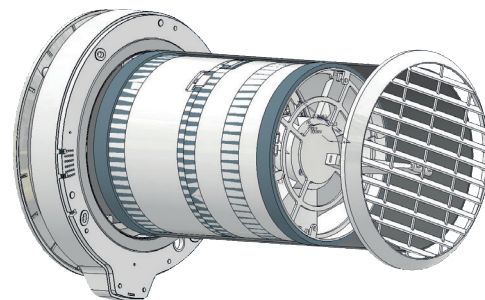
- Power supply 230V~ 50Hz;
- Plastics made of UV-resistant and antistatic ABS;
- Operating temperature -20°C to 50°C;
- Compact size and easy installation;
- Shock-resistant PVC telescopic duct;
- Foldable external grille for installation from inside or outside;
- Panel for acoustic, thermal, and anti-condensation insulation;
- Protection rating IPX4;

THE AP19996 PACKAGE INCLUDES:

- Internal unit with magnetic front cover;
- Ventilation cartridge with heat recovery
- Telescopic duct;
- External grille;
- Instruction manual.

VENTILATION CARTRIDGE

- Helical fan/ventilator and DC Brushless motor;
- Regenerative ceramic heat exchanger with up to 90% efficiency;
- ISO Coarse class filter according to UNI EN ISO 16890:2017;
- Humidity sensor;
- Twilight sensor;
- Airflow temperature sensor;
- Indoor air quality (eCO₂) sensor;



CONNECTIVITY

- Transmission frequency: WIFI 2.4 GHz;
- Bluetooth Low Energy 5.0;
- Remote firmware updates via APP.

ACCESSORIES AND SPARE PARTS:

- ISO Coarse class filters according to UNI EN ISO 16890:2017 (AP1984);
- Acoustic, thermal, and anti-condensation insulation panel (AP1985);
- Windproof and rainproof grille (code AP1613);
- External noise reduction kit (code AP19881).

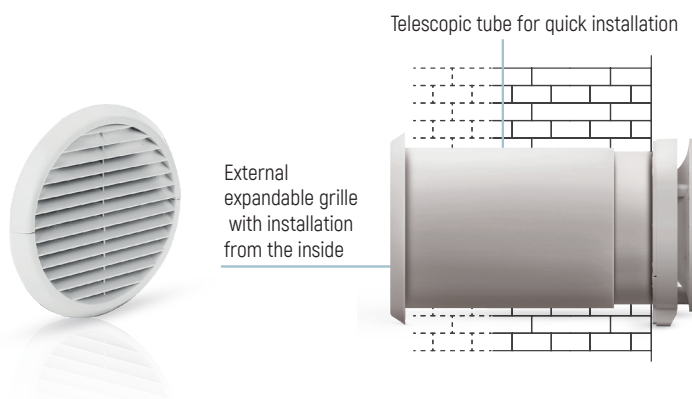
ECOCOMFORT 3 can be configured to operate either as a main unit or as an additional unit. In the case of an additional unit, the rotation direction can be set to be either in sync or opposite to the main unit. All units communicate with each other via Bluetooth Low Energy protocol and are managed through the Intelliclima+ app. The units can be installed in large spaces or different environments (maximum signal range approximately 8-10 meters in open air).

INSTALLATION

The ECOCOMFORT 3 ventilation unit must be installed on perimeter walls.

Thanks to the telescopic tube, it easily adapts to wall thicknesses ranging from a minimum of 23 cm (*) up to a maximum of 53 cm. Additionally, installation is extremely quick and easy, also thanks to the expandable external grille which can be mounted from the inside.

(*) When installing the AP19881 kit, a minimum wall thickness of 43 cm must be considered..

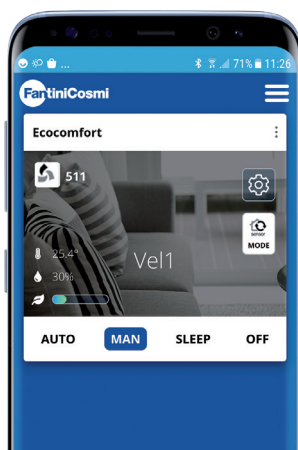


REMOTE CONTROL VIA APP

ECOCOMFORT 3 can be configured and managed via smartphone using the Intelliclima+ app.

The multi-connectivity system allows control of the ventilation unit both locally via Bluetooth and remotely via WiFi.

■ EXAMPLE



The Intelliclima+ app is available for free on:



OPERATION

■ MANUAL mode setting:

In this mode, it is possible to select the operating speed settings:

V3 - high speed

V2 - medium speed

V1 - low speed

SLEEP - minimum speed (night mode)

and to set the operating cycle:

 Air supply (temporary mode for 60 minutes)

 Air extraction (temporary mode for 60 minutes)

 Alternating supply/extraction flow with 45-second cycles

 Supplies/extracts air from the environment while recovering heat, automatically optimizing cycle intervals based on thresholds set on the eCO2, humidity, and twilight sensors, as well as the detected temperature

■ AUTO mode setting

The unit follows a daily schedule, setting speed parameters (VEL 1 - VEL 2 - VEL 3 - SLEEP**) and Off every half hour. Air supply/extraction and heat recovery are optimized through automatic cycle intervals.

In this operating mode, the SENSOR function is always active: the unit supplies/extracts air from the environment while recovering heat, automatically optimizing speed and cycle intervals based on thresholds set on the sensors.

ADVANCED FUNCTIONS

ECOCOMFORT 3 is a ventilation and extraction unit with "smart" functions designed to offer an advanced approach to comfort management that improves air quality and prevents the formation of mold and humidity.

The SENSOR function enables automated management that reduces primary energy demand and improves comfort, with real-time data accessible through the intuitive infographics in the Intelliclima+ app, where it is possible to view:

- Indoor temperature
- Ambient humidity
- Air quality
- Energy consumption trends

During the summer months, the FREE-COOLING function activates automatically when the outside temperature is lower than the inside temperature, contributing to better thermal comfort without waste.

Advanced connectivity with the Intelliclima+ app integrates ECOCOMFORT 3 into a complete smart home system, allowing synchronized management of ventilation, heating, and cooling systems in a simple and intuitive way.

 GEOLOCATION

 AUTO SMART SENSOR

 SUMMER FREE COOLING

 REMOTE CONTROL VIA APP

 INTEGRATED WIFI

 **RED DA
COMPLIANT**

ACCESSORIES

ISO COARSE FILTER

CODE	MODEL
AP1984	FR007



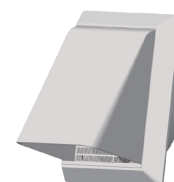
INSULATING PANEL

CODE	MODEL
AP1985	FR008



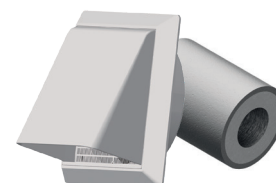
RAINPROOF AND WINDPROOF GRILLE

CODE	MODEL
AP1613	GE150



EXTERNAL NOISE REDUCTION KIT

CODE	MODEL
AP19881	SLF160



REGULATIONS AND CERTIFICATIONS

- Compliant with Directive 2014/53/EU (RED)
- Compliant with Directive 2009/125/EC Energy Related Products (ERP) - Ecodesign 2018
- Compliant with standards:
 - EN 60335-1:2013+A11:2015; EN 60335-2-80:2005+A2:2009
 - EN 55014-1:2006+A1:2009+A2:2011; EN 55014-2:2015
 - EN 61000-3-2:2014; EN 61000-3-3:2013
 - EN 301 489-1 V1.9.2; EN 301 489-7 V1.3.1
 - ETSI EN 300 220-1 V2.4.1; ETSI EN 300 220-2 V2.4.1
 - UNI EN ISO 10140-2 - UNI EN ISO 717-1



SPECIFICATION ITEM

Point mechanical ventilation unit (VMC) with high-efficiency ceramic heat recovery, featuring smart functions and artificial intelligence. Multiconnectivity system with WiFi and Bluetooth Low Energy 5.0 for device configuration and management via Fantini Cosmi's Intelliclima+ APP. Equipped with sensors for ambient temperature, relative humidity, twilight, and air quality (iAQ) for intelligent environmental comfort control and management. Multifunction button with multicolor LED; operating modes include automatic, manual, smart sensor, and off. Smart functions include geolocation, auto sensor, and free-cooling to minimize energy consumption while enhancing thermal and hygrometric well-being; sensor data reporting visualization. Remote management via APP.

Designed for installation on perimeter walls up to 53 cm thick. Telescopic tube suitable for wall thickness from 28 to 53 cm. Ceramic heat exchanger with up to 90% efficiency. Ultra-low consumption DC brushless motor. Four operating speeds (Min, Med, Max) plus Sleep mode. Airflow rates: 30 mc/h, 50 mc/h, 75 mc/h plus 15 mc/h. Power consumption: 3W, 5W, 8W, 2.5W. Sound pressure at 1.5 m: 20.5 dB(A), 29.5 dB(A), 37 dB(A). Sound pressure at 3 m: 15 dB(A), 23.5 dB(A), 31.5 dB(A). Power supply: 230 Vac. Protection rating: IPX4. Melamine ISO Coarse filter according to UNI EN ISO 16890:2017. Expandable external grille for installation from inside; external rain and windproof grille (optional); external noise reduction kit (optional). Energy class A according to Regulation (EU) No 1254/2014. Compliant with Directive 2014/53/EU (RED) and Directive 2009/125/EC Energy Related Products (ERP) - Ecodesign 2018; standards EN 60335-1:2013+A11:2015; EN 60335-2-80:2005+ A2:2009; EN61000-3-2:2018/A1:2020; EN61000-3-3:2013; EN18031-1:2025; EN301 489-1 V.2.2.3; EN301 489-17 V.3.2.4; ETSI EN300 328 V2.2.2.