

ORMEN EEC



WALL MOUNTING RESIDENTIAL HEAT RECOVERY UNIT WITH EC MOTOR, PASSIVHAUS CERTIFIED

MANUFACTURING FEATURES

- Dual flow centralised unit with heat recovery for floor and wall installation.
- ORMEN 300 EEC has the Passivhaus Certificate, the energy certification standard whose objective is to achieve energy savings up to 90% in a building or house compared to a conventional building.
- Internal structure in high density expanded polypropylene 40Kg / mc.
- Aesthetic front panel in plastic resin, glossy white finish.
- Connection ports to pipes with a nominal diameter of 125 mm, centrifugal fans with backward curved blades directly coupled to EC motors.
- High efficiency heat exchanger of the counterflow type in plastic material (PS).
- Automatic mechanical by-pass for free-cooling.
- Inlet air filter ePM1 \geq 50% (F7) and supply filter ISO Coarse \geq 60% (G4), placed respectively in correspondence of the input and expulsion channels.
- Integrated control panel (Optional wired remote connection LCD control panel).
- Support bracket for wall installation integrated in the product.
- Can be integrated into residential home automation systems (ModBus protocol) on RS485 SLAVE mode.
- Performance and safety certified by third party body.

ALGUNAS FUNCIONES DEL CONTROL

Built-in control panel supplied as per standard:

- Product switch-on and switch-off.
- Initial configuration of the product.
- Selection of operating speed.
- Programming operation.
- Monitoring of the correct operation of the product (any malfunctioning is highlighted through error messages shown on the display).
- Indication of the condition of the saturated filters on the display.

APPLICATIONS

- Ideal for ventilation of homes and residential and commercial premises with surface area up to 180 m².

Accessories



**AE-HD
PE**



**AS-HD
PE**



C-RES



CFGF



CHEF



**CON-H
DPE**



**CTRL
RHRU**



ECR



HDPE



PHONI



PLEN-6



PLEND



REJD1



REJD3



**REP12
5**



**THERM
I**

Technical data

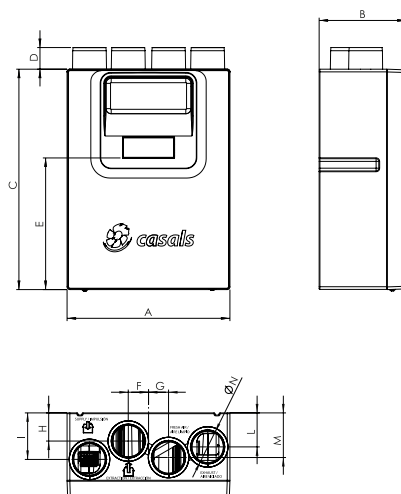
Single-phase motor

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight kg	Connect. diagram
ORMEN300	ORMEN 300 EEC	-	1,35	0,19	300	-	18	1

Notes:

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions

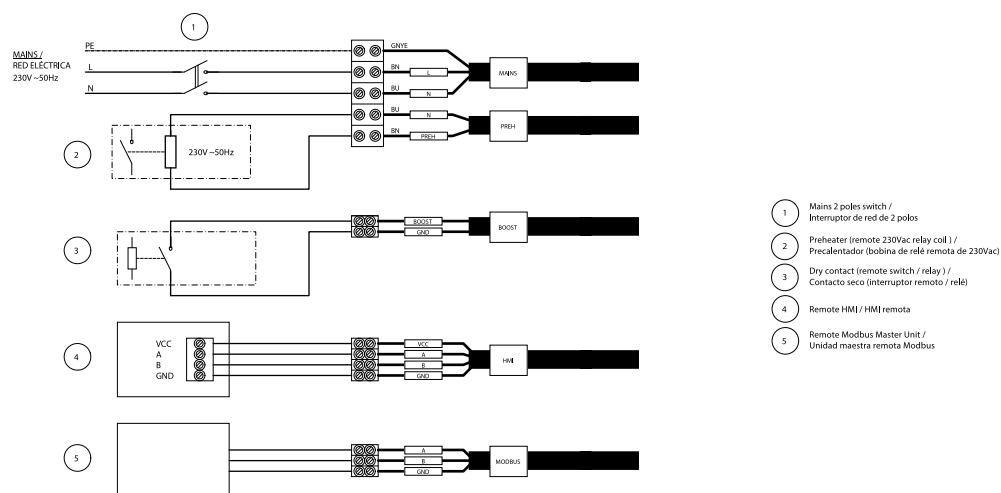


Model	A	B	C	D	E	F	G	H	I
ORMEN 300 EEC	600	321	812	80	485	74	74	104	172

Model	L	M	ØN
ORMEN 300 EEC	126	165	124

Wiring diagram

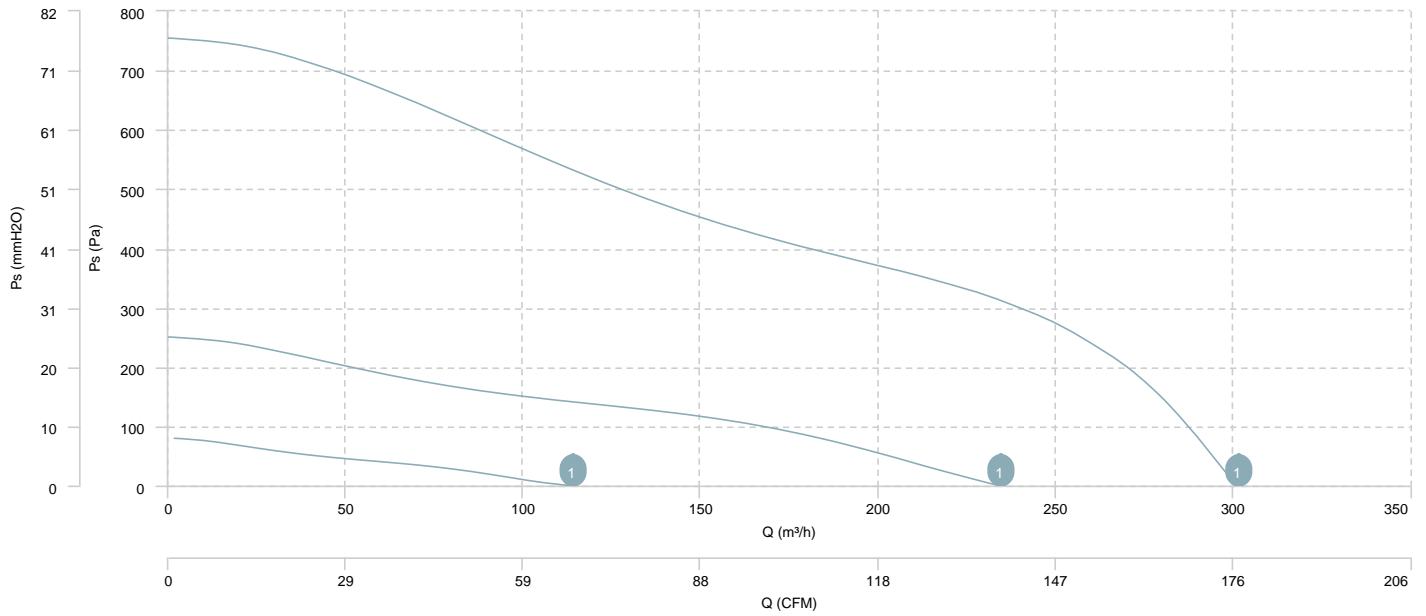
Wiring diagram Nº 1



CHARACTERISCTIC CURVE

1 ORMEN 300 EEC

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER

