

VORT HRW 60 MONO EVO HCS (12431)

GENERAL DATA



Ventilation unit with decentralized heat recovery, for installation in residential and commercial premises of new buildings or subject to renovation for energy efficiency. Ideal, as well as to ensure the correct air exchange, also to prevent excess humidity in the room and the onset of mold on the walls.

- Shock-proof and UV-resistant plastic resin structure.
- Nominal diameter: 100 mm (mod. 30) or 160 mm (mod. 40, 60).
- Ceramic hexagonal cell type heat exchanger. High heat exchange efficiency (up to 90% at minimum air flow rate).
- High performance EC fan motor; five operating speeds, to maximize performance, when needed, or to minimize noise and consumption.
- Relative humidity probe integrated in the product (mod. HCS).
- Controls for on/ off, for adjusting the operating mode and for selecting fan speeds, placed on board the machine.

- Three different operating modes (cod. 12434, 12435):

Continuous ventilation with heat recovery: the product extracts and cyclically injects air to and from the room recovering the energy stored in the exchanger;

Ventilation in air extraction only: spoiled air is extracted from the environment;

Ventilation in air only: the product injects fresh air into the environment.

- One-way remote control that allows you to set the parameters or display useful product information (cod. 12436, 12437, 12443, 12444, 12141, 12142): On and off; Selection of operating modes; Selection of fan speeds; Selection of the value of the relative humidity threshold that activates the Boost speed (three pre-defined levels that can be set to 50%, 65% and 80%); Activation of the "Night" mode; Indication of the condition of saturated filters.

Five different operating modes

Continuous ventilation with heat recovery: the product extracts and cyclically injects air to and from the room recovering the energy stored in the exchanger;

Ventilation in air extraction only: the spoiled air is extracted from the environment;

Ventilation in air only: the product injects fresh air into the environment.

Automatic: the recuperator automatically manages the air flows according to the readings of the relative humidity sensor;

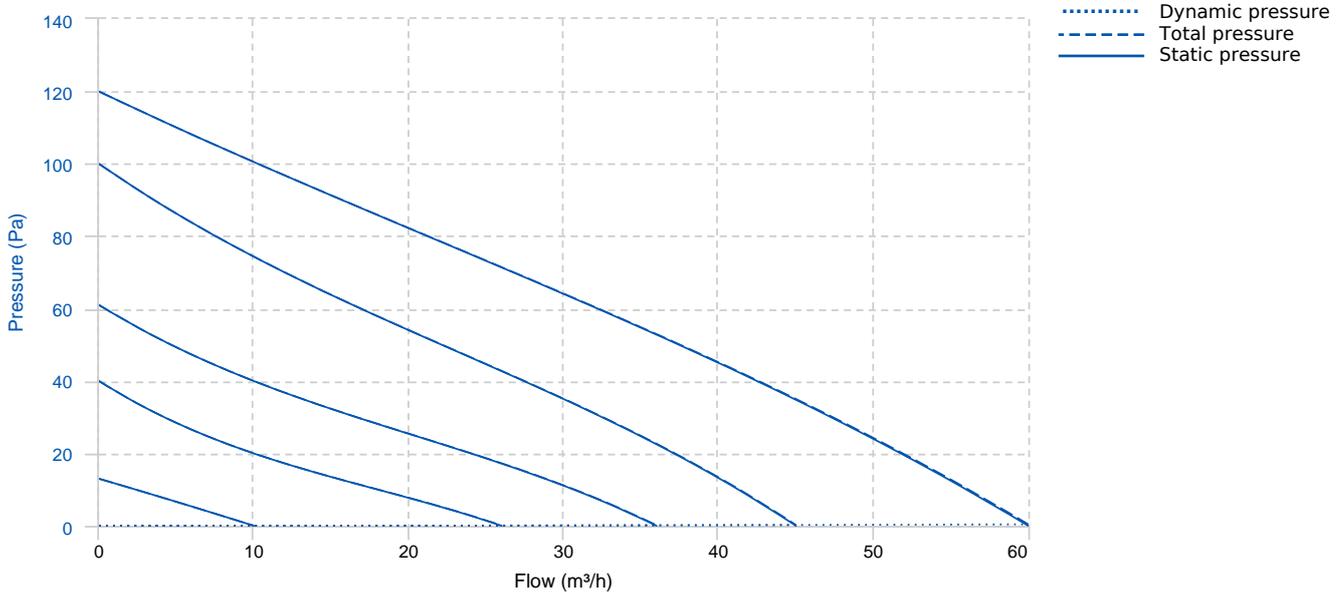
"Night": when the light in the room falls, the product automatically forces the fan to turn at the minimum speed, regardless of the relative humidity values detected.

Possibility to connect the operation of several products in wi-fi mesh network (cod. 12443, 12444)

- Two air filters, an Isocoarse 65% and a coarser pre-filter for dust, both easily extractable for washing.
- Saturated filter warning light visible at the bottom of the chassis, immediately behind the front cover.
- Mechanical quick-closing air delivery system integrated in the product chassis.
- External rubber grille, can be installed from the outside by dowels or inserted from the inside, through the hole of the wall, without using external scaffolding.
- Insect net, can be inserted into the duct from inside the room.
- Possibility of enslavement to remote sensors C-TEMP and C-HCS for automatic management of operating logic.

PERFORMANCE CURVE

20 °C - m - 1.2 Kg/m³

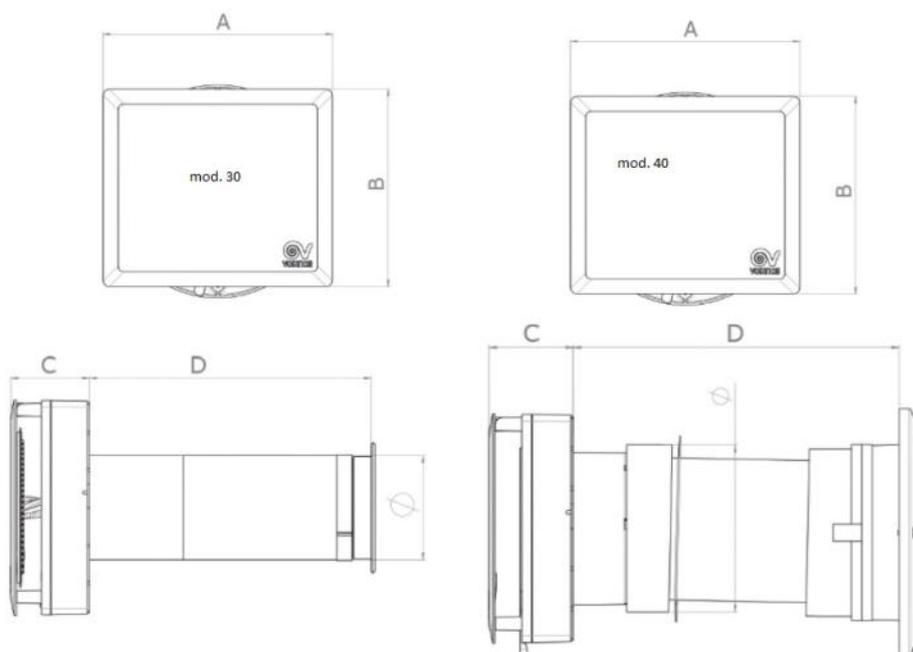


TECHNICAL DATA

Fan

RPM	-	Approx. weight	3.5 kg	Max. Flow	60 m³/h
-----	---	----------------	--------	-----------	---------

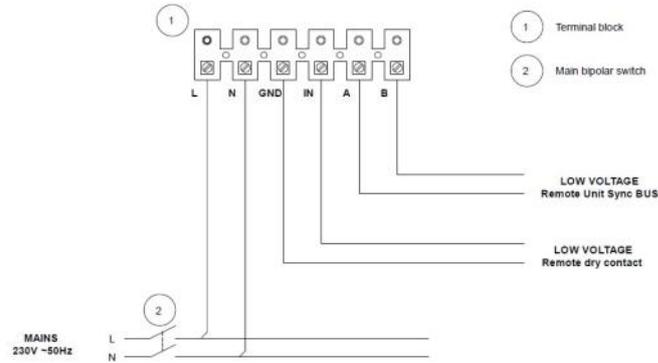
DIMENSIONS



Dimensions (mm)

A	231	B	200	C	73	D	283	diam.	146
---	-----	---	-----	---	----	---	-----	-------	-----

WIRING DIAGRAM



ACCESSORIES