

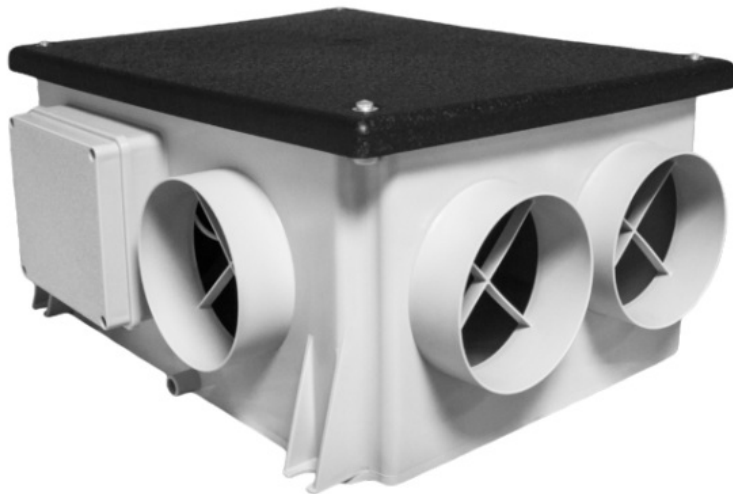


[Home](#) » [aerauliqa](#) » **aerauliqa QPMEV 125HY Single Flow Extract Ventilation Unit Instruction**

**Manual** 

 **aerauliqa®**

**QPMEV 125HY**



**CE UK  
CA**

## **Contents** [ [hide](#) ]

- 1 QPMEV 125HY Single Flow Extract Ventilation Unit
- 2 WARNINGS AND PRECAUTIONS
- 3 PRODUCT INFORMATION
- 4 TRANSPORT AND STORAGE
- 5 INSTALLATION
- 6 COMMISSIONING AND OPERATION
- 7 FAN SPEED SETTING
- 8 HUMIDITY THRESHOLD SETTING
- 9 DISPOSAL AND RECYCLING
- 10 Documents / Resources
  - 10.1 References

# **QPMEV 125HY Single Flow Extract Ventilation Unit**

## **Single flow extract ventilation unit**

Read this manual carefully before using the product and keep it in a safe place for reference as necessary.

This product was constructed up to standard and in compliance with regulations relating to electrical equipment and must be installed by technically qualified personnel.

The manufacturer assumes no responsibility for damage to persons or property resulting from failure to observe the instructions contained in this manual.

## **WARNINGS AND PRECAUTIONS**

### **WARNING**

Make sure that the mains supply to the unit is disconnected before performing any installation, service, maintenance or electrical work!

The installation and service of the unit and complete ventilation system must be performed by an authorized installer and in accordance with local rules and regulations. If any abnormality in operation is detected, disconnect the device from the mains supply and contact a qualified technician immediately.

### **Transport and storage**

- Do not leave the device exposed to atmospheric agents (rain, sun, snow, etc.).
- Duct connections/duct ends must be covered during storage and installation.

## **Installation**

- After removing the product from its packaging, verify its conditions. Do not leave packaging within the reach of children or people with disabilities.
- Beware of sharp edges. Use protective gloves.
- The device should not be used as an activator for water heaters, stoves, etc., nor should it discharge into hot air/fume vent ducts deriving from any type of combustion unit or tumble dryer.
- If the environment in which the product is installed also houses a fuel-operating device (water heater, methane stove etc., that is not a “sealed chamber” type), it is essential to ensure adequate air intake, to ensure good combustion and proper equipment operation.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The electrical system to which the device is connected must comply with local regulations.
- Before connecting the product to the power supply or the power outlet, ensure that:
  - the data plate (voltage and frequency) correspond to those of the electrical mains;
  - the electrical power supply/socket is adequate for maximum device power.
- For installation an omnipolar switch should be incorporated in the fixed wiring, in accordance with the wiring rules, to provide a full disconnection under overvoltage category III conditions (contact opening distance equal to or greater than 3mm).
- Ensure adequate air return into the room in compliance with existing regulations in order to ensure proper device operation.
- Install the product so that the impeller is not accessible from the air outlet side as verified by contact with the Test Finger (test probe “B” of the norm EN61032) in compliance with the current safety regulations.

## **Use**

- The device should not be used for applications other than those specified in this manual.
- This appliance can be used by children aged from 8 years and older and persons with

reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not touch the appliance with wet or damp hands/feet.
- The device is designed to extract clean air only, i.e. without grease, soot, chemical or corrosive agents, or flammable or explosive mixtures.
- Do not use the product in the presence of inflammable vapours, such as alcohol, insecticides, gasoline, etc.
- The system should operate continuously, and should only be stopped for maintenance/service.
- Do not obstruct ducts or grilles to ensure optimum air passage.
- Do not immerse the device or its parts in water or any other liquids.
- Operating temperature range: 0°C up to +40°C.

## **Service**

- Although the mains supply to the unit has been disconnected there is still risk of injury from rotating parts that have not come to a complete standstill.
- Beware of sharp edges. Use protective gloves.
- Use original spare parts only for repairs.

## **PRODUCT INFORMATION**

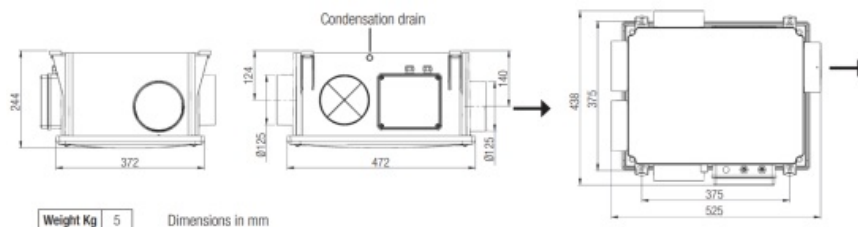
### **3.1 General**

QPMEV is a whole-house centralised mechanical extract unit, designed to be connected to self-adjusting extracts.

Suitable for wall, ceiling, false-ceiling and floor installation, for horizontal or vertical mounting.

QPMEV 125HY is supplied with 1xØ125mm outlet to exhaust air to the outside, + 4xØ125mm inlets to draw stale air out from inside and integral humidity sensor.

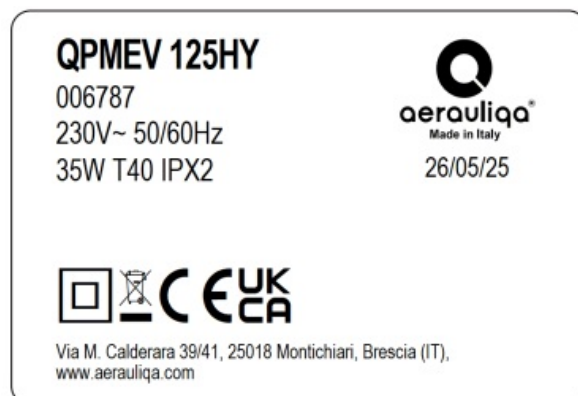
### **3.2 Dimensions and weight**



### 3.4 Rating label

### 3.3 Space required

Make sure that enough space is left around the unit to allow easy maintenance.



**Fig.3.a** Rating label.

## TRANSPORT AND STORAGE

The appliance is delivered in one carton box.

The appliance should be stored and transported in such a way that it is protected against physical damage that can harm spigots, casing etc.

It should be covered so that dust, rain and snow cannot enter and damage the unit and its components.

### WARNING

**Make sure that specific warnings and precautions in Chapter 2**

are carefully read, understood and applied!

## INSTALLATION

This section describes how to install the unit correctly. The unit must be installed according to these instructions.

### WARNING

Make sure that specific warnings and precautions in Chapter 2 are carefully read, understood and applied!

## 5.1 Unpacking

Verify that the unit (and eventual accessories) delivered is according to order before starting the installation. Any discrepancies from the ordered equipment must be reported to the supplier.

## 5.2 Where/how to install

- QPMEV units are intended for indoor installation in a heated spaces. In unheated rooms, only floor installation is recommended with the condensation drain to be opened (§3.2).
- The unit can be mounted vertically and horizontally.
- Mount the unit on flat surface.
- When choosing the location it should be kept in mind that the unit requires maintenance regularly and that the inspection door should be easily accessible.
- Leave free space to access the terminal box, for opening the removable panels and for removal of the main components.
- Prepare the surface on which the unit is to be mounted. Ensure that the surface is flat, levelled and built to support the weight of the unit. Do the installation in accordance with the local rules and regulations in force.
- Use anti-vibration mounts (supplied) and appropriate screws (not supplied) to fix the unit.

## 5.3 Ceiling installation

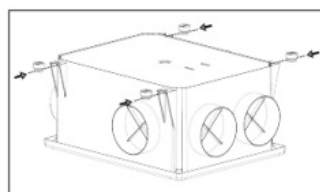


Fig. 5.a

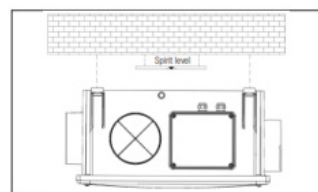


Fig. 5.b

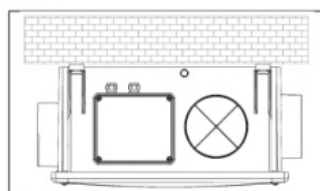


Fig. 5.c

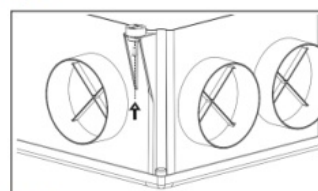


Fig. 5.d

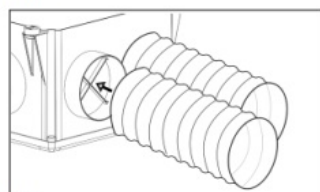


Fig. 5.e

## 5.4 Floor installation

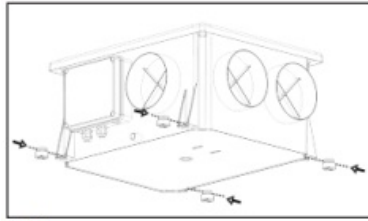


Fig. 5.f

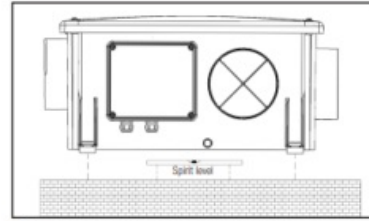


Fig. 5.g

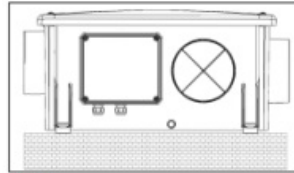


Fig. 5.h

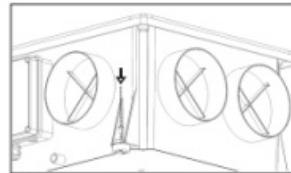


Fig. 5.i

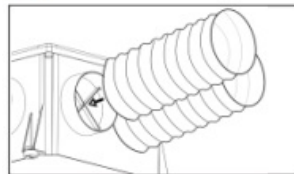


Fig. 5.j

### 5.5 Wall installation



Fig. 5.k



Fig. 5.l

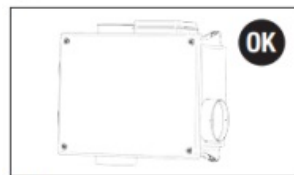


Fig. 5.m



Fig. 5.n

## 5.6 Electric connection

The unit is double insulated: no earth connection is required.

For speed setting see paragraphs 6 and 7.

### WARNING

Make sure that the mains supply to the unit is disconnected before performing any installation, service, maintenance or electrical work!

### WARNING

The installation and service of the unit and complete ventilation system must be performed by an authorized installer and in accordance with local rules and regulations.

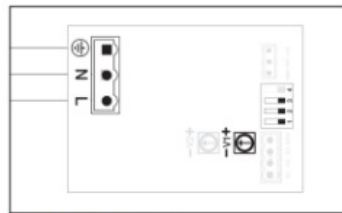


Fig. 5.o Single speed operation (default)

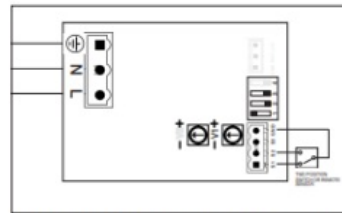


Fig. 5.p Two speed operation with remote two-position switch/sensor

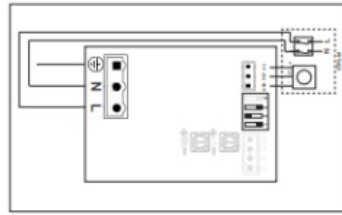


Fig. 5.q Variable speed operation with CTRL-M remote manual controller

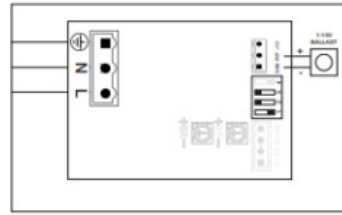


Fig. 5.r Variable speed operation through external dimotic (BMS) system or ballast potentiometer

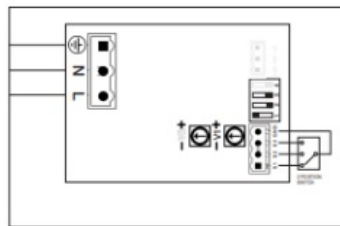


Fig. 5.s Three-speed operation with SEL-3V speed selector

## COMMISSIONING AND OPERATION

Speed factory settings:

“V1”: 184m<sup>3</sup>/h @OPa

“V2”: 380m<sup>3</sup>/h @OPa

### 6.1 Single speed operation (default)

The unit runs at the speed set by turning the integral trimmer “V1” on the internal electronic circuit.

**Wiring diagram:** Fig. 5.0 – Dip switch configuration: 0000

### 6.2 Two-speed operation with remote two-position switch/sensor (not supplied)

The unit runs continuously at the speed set by turning the integral trimmer “V1” on the internal electronic circuit and can be boosted at a second speed, which is set by turning the integral trimmer “V2”.

Second speed is activated, when needed, by means of a remote two-position switch (not supplied) or by means of remote sensors SEN-HY or SEN-PIR, accessories on request).

( **Wiring diagram:** Fig. 5.p – Dip switch configuration: 1000

### 6.3 Variable speed operation with CTRL-M remote manual controller (accessory on request)

The unit runs at the speed set by turning the knob of the CTRL-M remote manual control



panel.

**Wiring diagram:** Fig. 5.q – Dip switch configuration: 0100

**6.4 Variable speed operation through external domotic (BMS) system or ballast potentiometer (not supplied)**

The unit runs at the speed set by turning the knob of an external 1-10V ballast potentiometer or set by an external 1-10V signal from a domotic (BMS) system.

**Wiring diagram:** Fig. 5.r- Dip switch configuration: 0110

**6.5 Three-speed operation with SEL-3V speed selector (accessory on request)**

The unit runs at the speed selected by turning the knob of the SEL-3V speed selector.

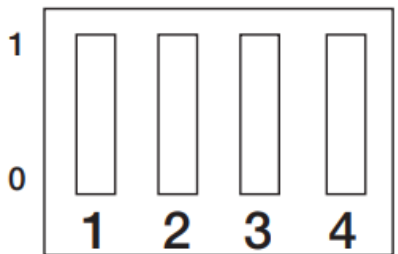
Speed 1 is set by turning the integral trimmer “V1”.

Speed 2 is set by turning the integral trimmer “V2”.

Speed 3 is the maximum speed achievable by the unit.

**Wiring diagram:** Fig. 5.s – Dip switch configuration: 1000

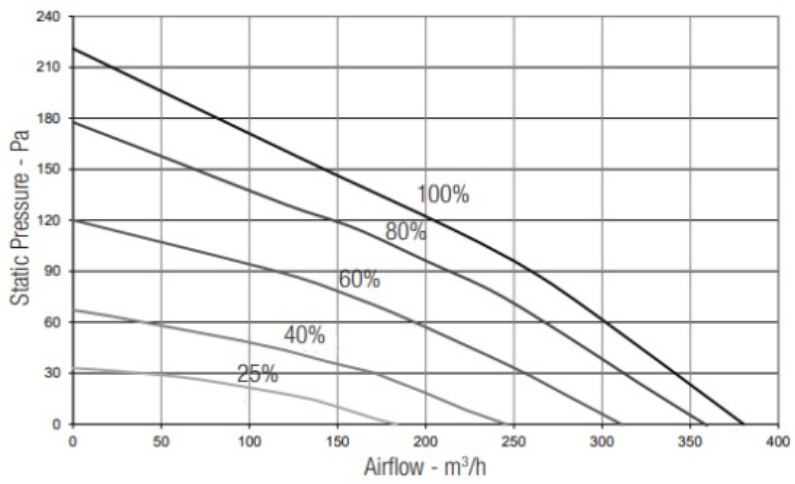
1	2	3	4	Operation selection via dip switch
0	0	0		Single speed (default)
1	0	0		Two-speed operation with external two-position switch/sensor
0	1	0		Variable speed operation with CTRL-M remote manual controller potentiometer
0	1	0		Three-speed operation with SEL-3V speed selector



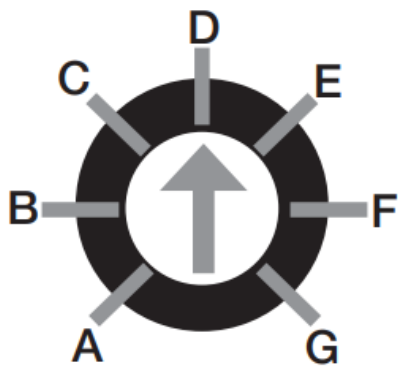
1	2	3	4	Humidity control selection
			0	Humidistat enabled

			1	Humidistat disabled
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## FAN SPEED SETTING



## TRIMMER

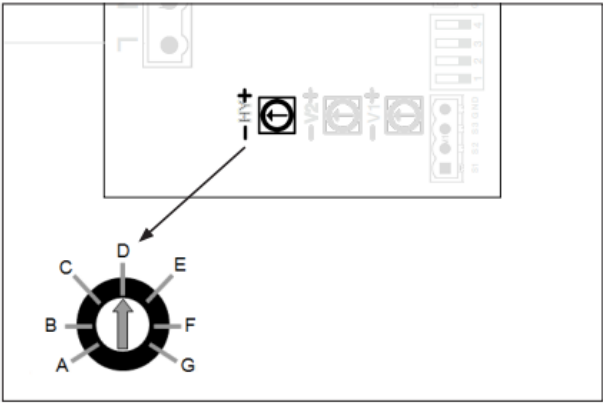


Trimmer Position	Speed %	W Max	m³m Max
A (min)	25	5	184
B	30	6	206
I C	40	9	246
D	60	17	311
I E	80	27	360
I F	90	31	372

G (max)	100	35	380
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### HUMIDITY THRESHOLD SETTING

Whatever is the chosen operation and the speed setting, when the humidity threshold is reached, the fan speed is increased by 15%. When the humidity level returns below the threshold, the fan continues to run at increased speed for a pre-set period of time. Humidity threshold is adjustable from 50% to 95% via trimmer HY (Fig. 8.a). To deactivate the humidistat function, turn the trimmer HY completely clockwise (position G).



**Fig.8.a** Humidity threshold setting (min 50%, max 95%)

Position Thr	Threshold
A	50%
B	57%
C	66%
D	75%
E	85%
F	95%
G	OFF

### DISPOSAL AND RECYCLING



Information on disposal of units at the end of life.

This product complies with EU Directive 2002/96/EC.

The symbol of the crossed-out dustbin indicates that this product must be collected separately from other waste at the end of its life. The user must, therefore, dispose of the product in question at suitable electronic and electro-technical waste disposal collection centres, or else send the product back to the retailer when purchasing a new, equivalent type device.

Separate collection of decommissioned equipment for recycling, treatment and environmentally compatible disposal helps to prevent negative effects on the environment and on health and promotes the recycling of the materials that make up the equipment.

Improper disposal of the product by the user may result in administrative sanctions as provided by law.

006767 – 00 – 0525

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## Documents / Resources

 <p>QPMEV 125HY</p> <p>CE</p> <p>aerauliqa</p>	<p><a href="#">aerauliqa QPMEV 125HY Single Flow Extract Ventilation Unit [pdf]</a> Instruction Manual</p> <p>125HY, QPMEV 125HY Single Flow Extract Ventilation Unit, QPMEV 125HY, Single Flow Extract Ventilation Unit, Flow Extract Ventilation Unit, Extract Ventilation Unit, Ventilation Unit, Unit</p>
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## References

- [User Manual](#)

■ aeraulika

💡 125HY, aeraulika, Extract Ventilation Unit, Flow Extract Ventilation Unit, QPMEV 125HY, QPMEV 125HY Single Flow Extract Ventilation Unit, Single Flow Extract Ventilation Unit, Unit, Ventilation Unit

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