



# Anti-condensation and climate control

The new  
anti-condensation  
fan heater  
EH-V series with PTC



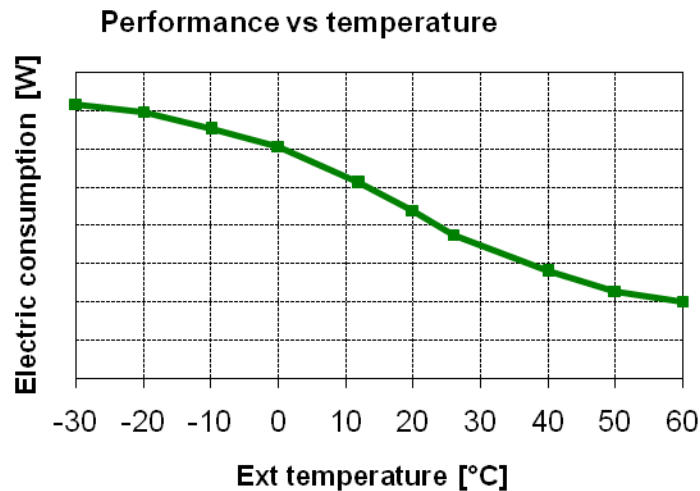
Costruzioni Elettromeccaniche P. Torresan  
<http://www.torresansrl.it/>

## Anti- condensation Fan Heater EH-V series

- The anti-condensation heaters are used to maintain a constant temperature inside the electrical panels keeping the temperature above the dew-point.
- EH-V series is equipped with self regulating PTC (Positive Temperature Coefficient) heater systems. An high efficiency fan helps to force the air flow by increasing performance of the heater.
- EH-V series, being equipped with PTC, can be powered in a range between 110 and 230 VCA, of course, to vary the power supply output power will change.
- Electrical connection is through only one connector for fan and heater element.
- Heater element is inserted in a black anodized extruded aluminum sink, equipped with a high capacity fan.



- **PTC (Positive Temperature Coefficient)** is the heating element of EH-V series. We utilize certified components. This system is self-regulating, which means that the power consumption decrease proportionally with increasing temperature (see chart below).
- **Highest levels of isolation and safety.** The thickness of our PTC resistors is 2 mm versus 1.4 mm used by most of the competitors. Only this thickness allows a full compliance to EN60335-1 standards and a willingness to ATEX, UL, CSA.
- **Quality of our components provide maintenance over time of declared power levels.**



## Anti- condensation Fan Heater EH-V series



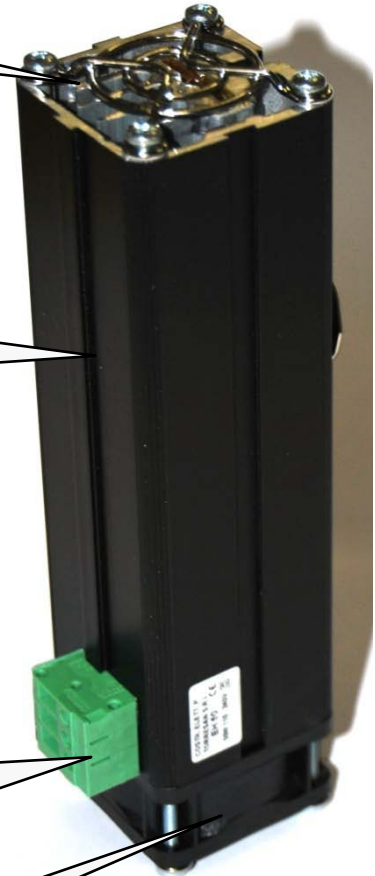
# Anti- condensation Fan Heater EH-V series

Anodized steel  
protection grids

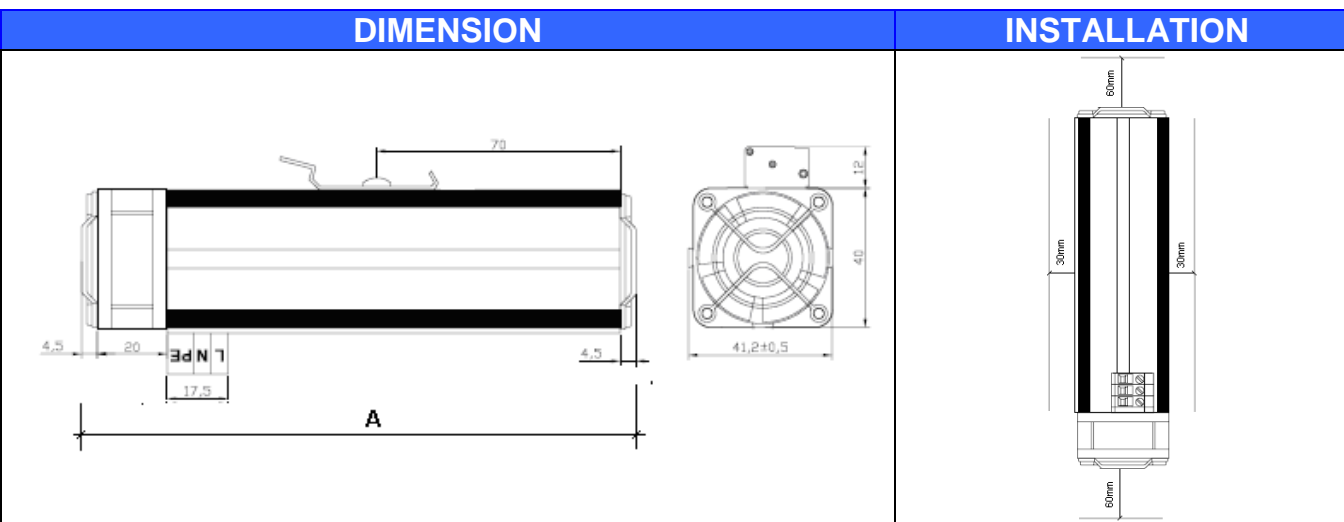
Variable geometry  
aluminum heatsink,  
anodized black to  
improve the impact of  
heat convection.

Exclusive single power  
connector to supply the  
fan and the PTC  
thermistor, with a wide-  
range power supply from  
110 VAC to 230 VAC

High capacity fan



Below, you'll find dimensions and capacity of the new EH-V series:



**Anti-  
condensation  
Fan Heater  
EH-V series**

CODE	POWER @230VAC AND 20°C	Dim – A (mm)	WHEIGHT Kg	POWER @110VAC AND 20°C
R7100230V	100 W	159	0,32	70 W
R7110230V	110 W	149	0,32	90 W
R7130230V	130 W	159	0,32	90 W
R7150230V	150 W	159	0,32	120 W
R7180230V	180 W	169	0,32	150 W



# Complete solutions

When is necessary to choice climate control devices, must be take in consideration the following elements:

- Location and environmental conditions where is necessary to place the electrical panel
- Electrical panel power dissipation degree and components sensitive temperature
- Composition and equipment of the electrical panel
- Electrical panel protection degree

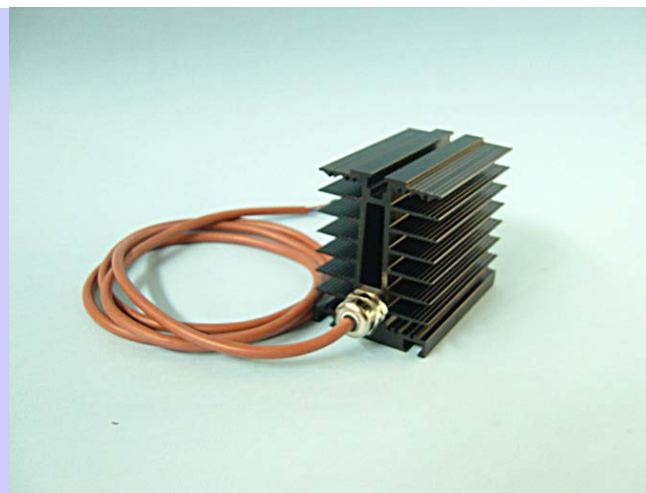
Our engineers will help you in choosing the most appropriate component and the calculation of the correct size of the anti-condensation heaters.

Besides we'll help you to design the correct climate control systems for the larger electrical panel.



# Product Lines

Anti-condensation heaters with: single steel tube or U tube (normalized ENEL) or PTC. Model with fan and IP68 protection degree, heating banks, thermostats and hygrostats.





Since 1955, flexibility and ability to innovate in the electromechanical and power electronics.

### *Production*

Since 1955 we have been operating in the areas of protection and control, signal, industrial alarm and heaters manufacturing products and systems for installation in power plants, cabins, control panels in the energy, electricity and industry automation.

### *Engineering in power electronics*

Experience of constant attention and advice to our customers' systems comes the division of research and development Tor Engineering: through international expertise of technological innovation and product and develop with a pool of young engineers we'll provide innovative solutions in power electronics

# Costruzioni Elettro- meccaniche P. Torresan



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the electromechanical and power electronics*

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