



Rotterdamse Elementen Fabriek b.v.

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BTW nr: NL001845755B01
KvK: 24011985
EORI-nr: NL001845755

ABN AMRO: 48.02.68.525
Iban: NL37ABNA0480268525
Bic code: ABNANL2A

Properties

Backer standard range of PTC – Positive Temperature Coefficient heating elements in stock are designed for heating of forced air to be used in a wide range of engineering and domestic applications such as fan heaters, dehumidifiers, hot air curtains, tumble dryers, drying units, hand dryers, cabinet heaters etc.

The PTC heating technology offers several advantages compared to conventional resistance heaters e.g. rapid heating with self-regulating temperature control, uniform heating without power variation, compact design, no risk for overheating, economic installation, long life-time etc.

The element consists of PTC-chip and aluminium fins assembled by brazing and gluing in a heat resistant plastic frame that gives both technical and commercial advantages compared to mechanically assembled PTC elements.



Technical specification

Material Ceramic PTC-chip BaTiO_3 , fins in aluminium, adhesive and coating in silicone, frame in PPS R7 plastic

Rated Voltage 230 Vac $\pm 15\%$

Rated Power 1250W $\pm 10\%$ @ 72m³/h, 25°C

Voltage resistance 360 Vac/1 min

I_{inrush} < 24A

T_{curie} 220 $\pm 7^\circ\text{C}$

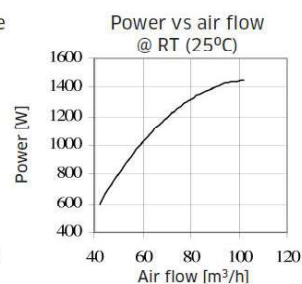
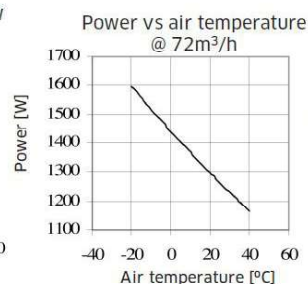
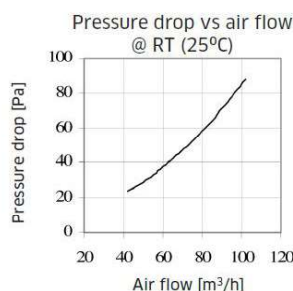
R25 50-250Ω at 25°C

Dimensions 173x70x22/16 mm

Electric connection Tab terminal 6.4 \pm 0.1 mm

Standard assortment

Article No



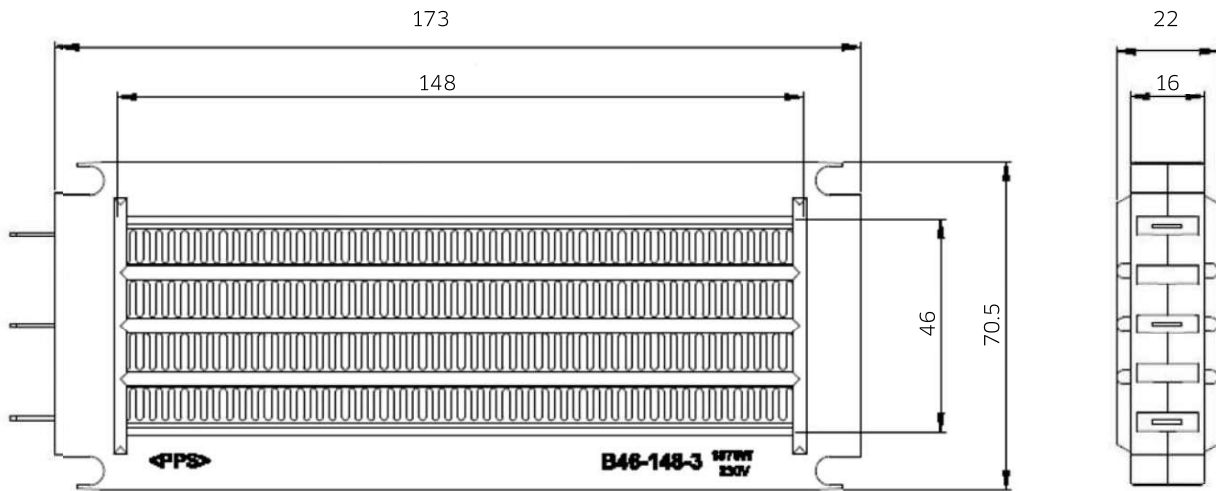


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Circuit diagram/connection alternatives*

Connection diagram



Alternative power output of the element when connected to a power supply:

A closed 1/1 power
A open ~1/2 power

All electric connections and energizing components, must be done by a qualified electrician.

Options available on request

Other voltages, wattages, temperatures and performances
PTC heating elements for contact, liquid and gas heating
High voltage insulated PTC customized heating systems with control system for vehicles
UL-approved PTC heating elements