

# Insulated PTC Air Heaters (HRP)

230V Version with Frame



Insulated PTC Air Heaters with frame	HRP S	HRP M	HRP L	HRP S	HRP M	HRP L
Fin shape	Delta			V		
Rated voltage (V)	230			230		
Heating capacity 230V at 20°C & 300m³/h (W)	790	1230	1550	1110	2000	2570
Inrush current at 230V (A)	7	14	18	6	12	19
Differential pressure at 20°C, 200m³/h (Pa)	56	26	16	237	127	72
Length (L1) of heater (mm)	120,6	174,6	231	120,6	174,6	231
Width (mm)	116			116		
Heating circuits	6			6		
Standard wire length (mm)	160			160		

TO PRODUCT

# Insulated PTC Air Heaters (HRP)

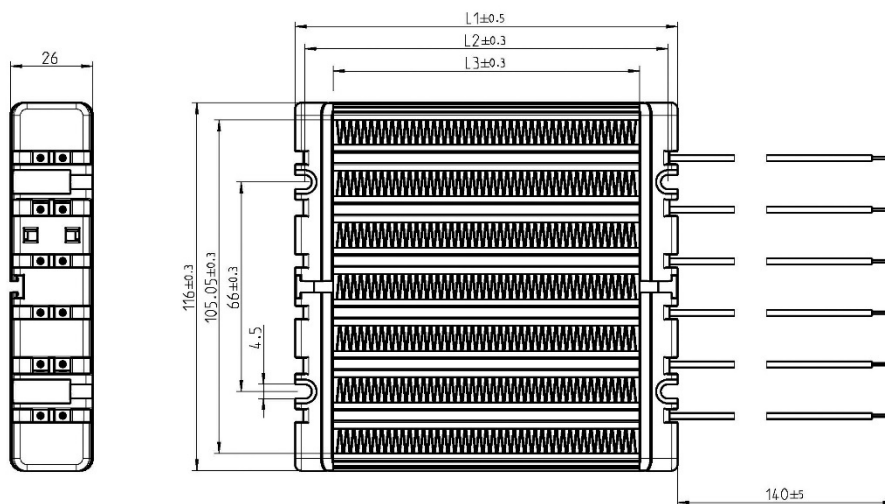
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## FEATURES

- Electrically insulated PTC finned resistor heaters with high resistance to moisture and dirt for homogeneous heating of air flows
- Power up to 3kW per heating element
- Suitable for a voltage of 230V AC or DC
- Power control of heating element is possible via PWM (please read user instructions)
- Other voltages available (115V, 400 - 600V)
- Special voltages on request (e.g., 48V, 80V if validated in customer's application)
- High safety and energy efficiency thanks to PTC effect
- Electrically insulated, encapsulated heating elements
- T-slot end rail (4.5mm)
- Homogeneous load at three-phase connection
- Available in standard sizes S, M, L - with V or Delta-fin
- Plastic end plates with integrated screw points for thermal insulation
- Optional: temperature limiter with mounting clip or temperature limiter encapsulated

## DRAWING



HRP with housing – Side view & Front view

## APPLICATIONS

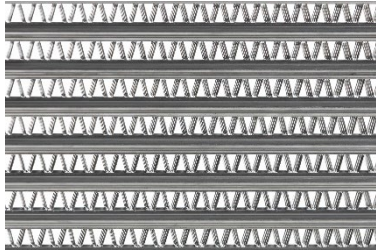
- Pre- or post-heater for building climatization and ventilation systems with heat recovery (low energy houses)
- Heater for railway applications
- *These products are based on a modular system and are suitable for a wide range of applications. Please always consult with our sales team to discuss your specific application - we are happy to assist!*

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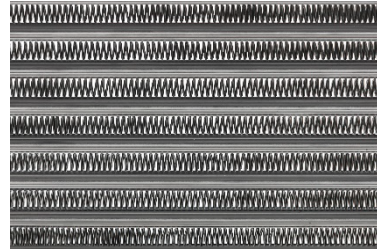
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## FIN SHAPES



Delta-shaped fin



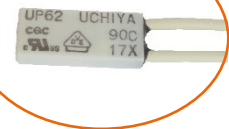
V-shaped fin

## ACCESSORIES

Temperature limiter encapsulated (UP62) for integration in end plate. Pre-assembled at the factory. Only as signal transmitter for relays.



Uninsulated temperature limiter (TH10) with mounting clip to switch the heater or as signal transmitter for relays.



## INSTALLATION OPTIONS



Screw points integrated in end plate

