

# Insulated High-voltage PTC Air Heater (HRP)

400 – 600V Version with Frame



Insulated High-Voltage PTC Air Heater	HRP HV M		HRP HV L	
	Rated voltage (V)	400 to 600		
Fin shape	Delta	V	Delta	V
Heating capacity 600V, at 20°C & 300m³/h (W)	1200	1500	1600	2100
Max. Inrush current 600V (A)	13	14,5	18,5	20
Differential pressure at 20°C, 200m³/h (Pa)	29	118	16	59
L × W × H (mm)	174,6 × 22,6 × 129,2		231 × 22,6 × 129,2	
Operation temperature (°C)	-40 to +65			
Ambient humidity (rH)	Max. 95 %, non-condensing			
Heating circuits (pcs)	6			
Standard wire length (mm)	160			

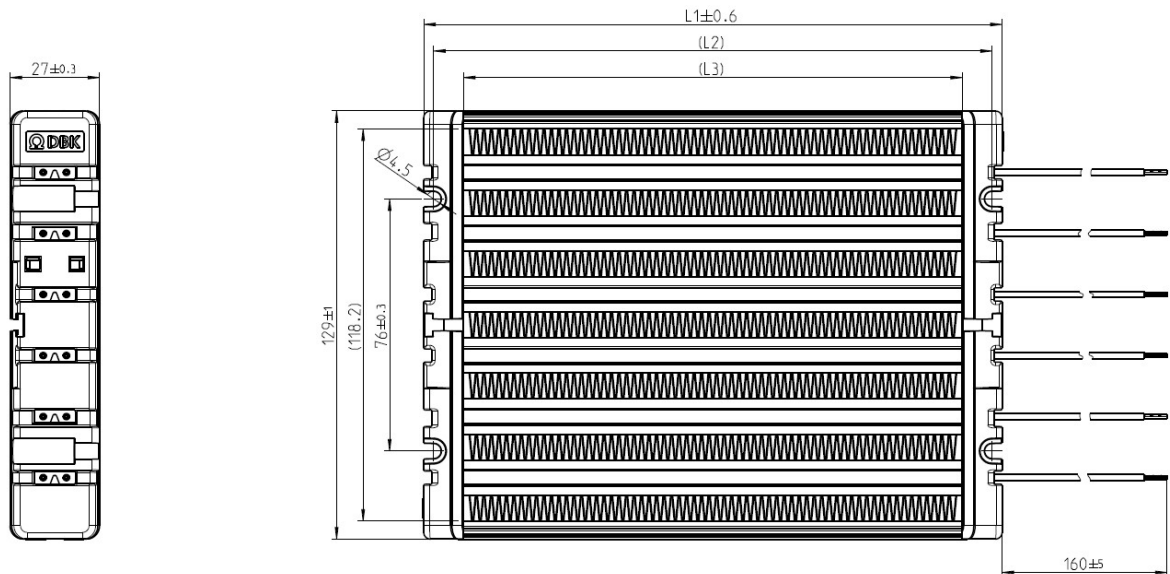
## FEATURES

- HRP High-voltage are electrically insulated PTC finned resistor heaters with high resistance to moisture and dirt for homogeneous heating of air flows
- Power up to 2,5kW per heater
- Multi-voltage capability in the range of 400 - 600V AC or DC
- Power control of heating element is possible via PWM (please read user instructions)
- High safety and energy efficiency thanks to the PTC effect
- Electrically insulated, encapsulated heating elements
- Covering rail with 4,5mm T-slot
- Homogeneous load with three-phase connection
- Available in the standard sizes M and L with V- or delta-shaped fins
- Plastic frame featuring integrated screw-on points and thermal insulation
- Optional: Temperature limiter (signal only), mounting slider

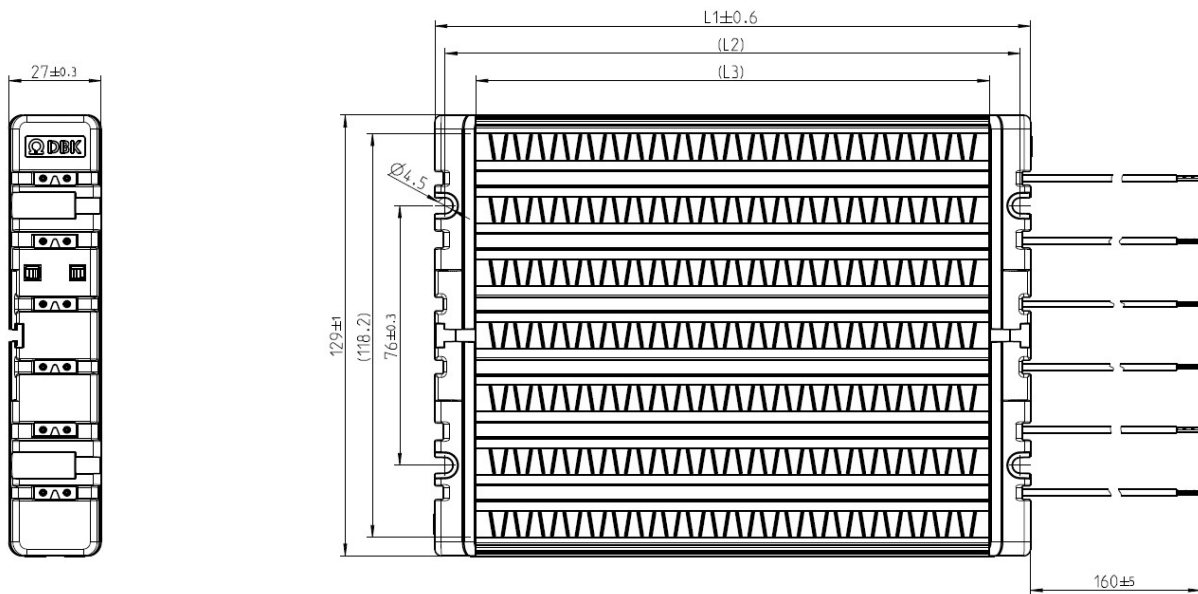
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## DRAWING



HRP HV with V-shaped Fins



HRP HV with Delta-shaped Fins

## APPLICATIONS

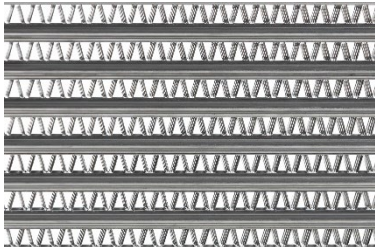
- Cabin heating for special-purpose vehicles (e.g. forklifts, cranes, construction machinery)
- Heater for railway applications
- *These products are based on a modular system and are suitable for a wide range of applications. Please always consult with our sales team to discuss your specific application - we are happy to assist!*

[TO PRODUCT](#)

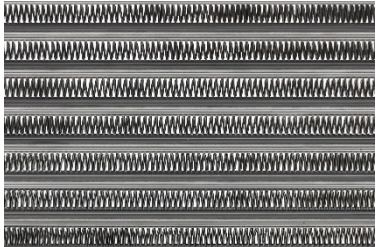
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## FIN SHAPES



Delta-shaped Fin



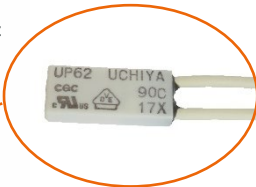
V-shaped Fin

## ACCESSORIES

Temperature limiter encapsulated (UP62) for integration into frame. Pre-assembled at factory. Signal transmitter only for relays.



Non-insulated temperature limiter (TH10) with mounting clip. For heater control or as signal transmitter for relays.



## INSTALLATION OPTIONS



Screw-on points integrated into frame

