

**Insulated Air Heaters HRP (protected) with housing**



HRP	HRP13 S 12/22 230-400V-D-H	HRP13 M 24/22 230-400V-D-H	HRP13 L 36/22 230-400V-D-H	HRP13 S 12/22 230-400V-V-H	HRP13 M 24/22 230-400V-V-H	HRP13 L 36/22 230-400V-V-H
Fin shape	Delta			V		
Rated voltage [V]	230 - 400			230 - 400		
Heating capacity (20°C, 300m³/h) at 230V   400V [W]	790   870	1230   1270	1550   1600	1110   1170	2000   2050	2570   2750
Inrush current at 230V   400V [A]	7   14	14   26	18   31	6   12	12   22	19   35
Differential pressure at 20°C, 200m³/h [Pa]	56	26	16	237	127	72
Protection class	II			II		
Dimensions Length L1 [mm]	120,6	174,6	231,0	120,6	174,6	231,0
Dimensions Length L2 [mm]	114,6	168,6	225,0	114,6	168,6	225,0
Dimensions Length L3 [mm]	96,6	150,6	207,0	96,6	150,6	207,0
Heating circuits [Pcs]	6			6		
Standard wire length [mm]	160			160		

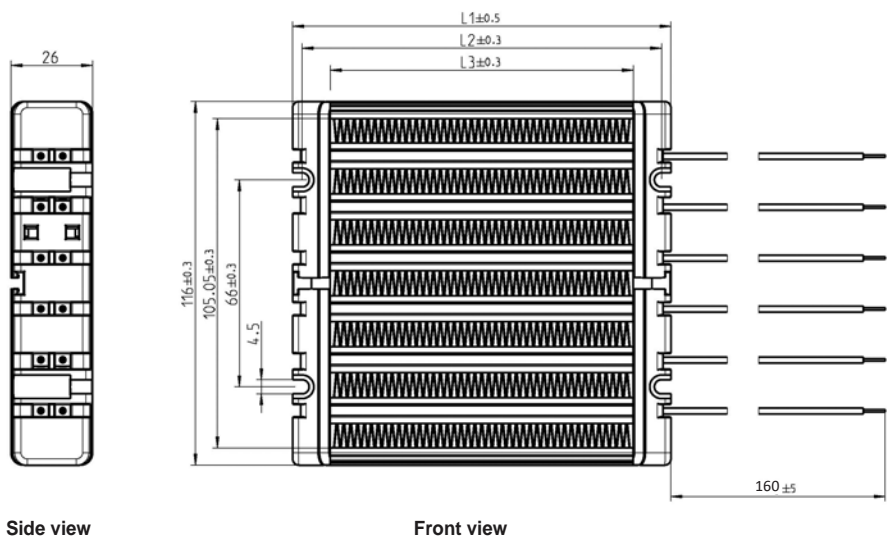
**Features**

- Plastic housing with integrated screw points and thermal insulation
- Encapsulated heating elements
- Covering rail with 4,5mm T-slot
- Increased resistance to moisture, pollution, and vibration
- Delta-fin version: High heat output with minimal pressure loss
- Homogeneous load with three-phase connection

**Optional:**

- Integrated temperature limiter
- Special version for 110V, 460V, 900V
- Railway industry version accord. to DIN 45545 (fire protection) and DIN50124-1 (insulation) on request
- Custom solutions (size, voltage, heating capacity) on request

**Drawing**



DBK 090819. This information is subject to change without notice. Data is given for illustration purposes only and does not release the customer from independent application tests.

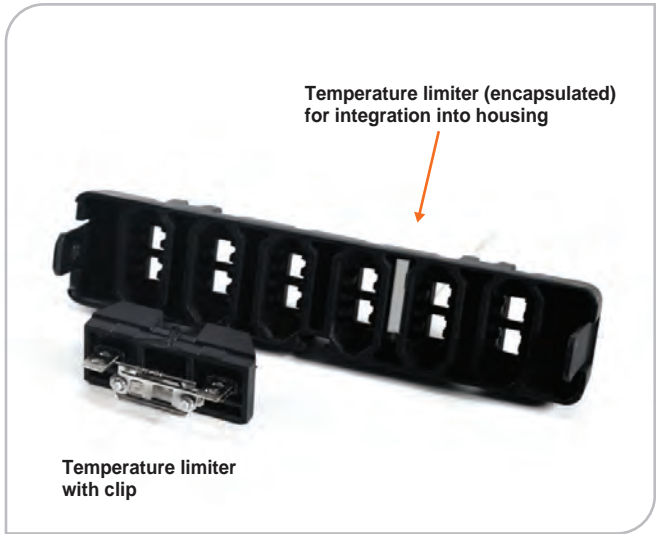
**Insulated Air Heaters HRP (protected) with housing**

Installation options



Screw points integrated in housing

Housing features



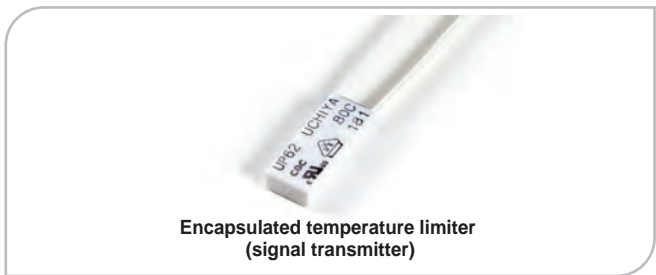
Temperature limiter (encapsulated) for integration into housing

Temperature limiter with clip

Accessories

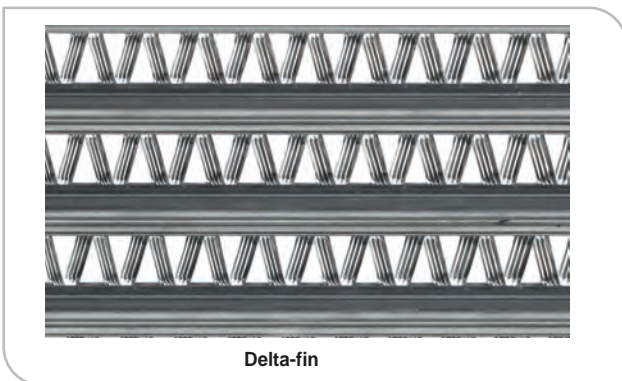


Temperature limiter

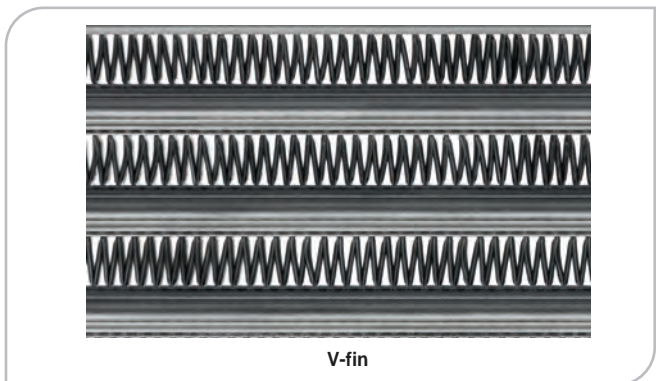


Encapsulated temperature limiter (signal transmitter)

Fin shapes



Delta-fin



V-fin

DBK's knowledge of thermal management gives us the expertise to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.

Type code

HRP 13 S 12/22 230-400V -V - H-

B	Basic - without housing / H: with housing
V	V-Shape / D: Delta-Shape
	Voltage range (100-240V; 230-400V; 230-460V; 400-600V)
	Number of PTC / Reference temperature: $C_F + 10$
	Size: S / M / L
	Fin depth: 13 / 28 (mm)
	Heating Resistor Protected

DBK 090819. This information is subject to change without notice. Data is given for illustration purposes only and does not release the customer from independent application tests.