

Universal PTC Heat Register (round design)



Typical Applications

Air pre-heating (defroster protection) and air re-heating in ventilation equipment

Characteristics

- high reliability
- self regulating PTC units
- modular design
- low pressure loss
- potential-free components

Technical Specifications

| Type | 125/40/1/Q | 125/130/2/L | 125/130/3/L | 100/40/1Q | 100/20/1/Q |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|-------------|-----------|------------|
| Power at approx.300m ³ /h | 300W | 750W | 900W | 280W | 160W |
| Profile length | 40mm | 130mm | 130mm | 40mm | 20mm |
| Quantity of PTC heaters | 1 | 2 | 3 | 1 | 1 |
| Dimensions (for direct installation into folded spiral-seam pipe) | DN125 | DN125 | DN125 | DN100 | DN100 |
| Voltage | AC 50/60 Hz, 110 V to 240 V | | | | |
| Inrush current at 240 VAC | max. 2,5 A per installed PTC heater rod | | | | |
| Max. surface temperature in still air | Standard: 200°C (optional 120°C to 200°C) | | | | |
| Protection class | I (Protection class II can be achieved with suitable protective measures during installation) | | | | |
| IP protection class | IP 33 | | | | |
| Connections | standard length 200 mm, stripped ends 10 mm tin-plated | | | | |
| Pressure loss | ζ 0,7 | ζ 1,6 | ζ 1,6 | ζ 0,9 | ζ 0,9 |
| Unsusceptible to | salty air | | | | |
| Minimum operating temperature | -40° C | | | | |

Type identification:

Pipe diameter / profile length / quantity PTC units / installation of PTC unit

- Pipe diameter: installation in indicated pipe diameter
on stock: DN100 and DN125
- Profile length: length of heat conducting profile
on stock: 20mm, 40mm, 130mm
- Quantity of PTC heaters: quantity of installed PTC heater rod
on stock: for profile length 20mm and 40mm 1 PTC, for profile length 130mm 2 or 3 PTC
- Installation of PTC heaters: PTC heater rod along (L) or across (Q) flow direction (observe the corresponding connection outlets)
currently possible: for 20mm and 40mm Q, for 130mm L or Q

Example:

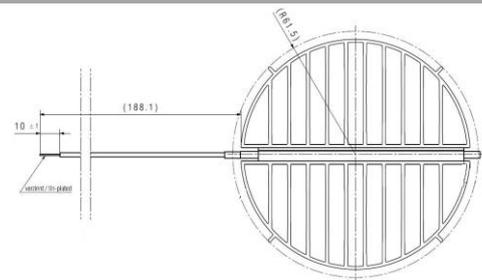
125/130/2/L
(see right photo above)

Options:

Explanation:

installation in DN125mm pipe, heat conducting profile length 130mm,
2 PTC heater rods installed along (L) flow direction

more sizes as well as completely assembled heating systems on request



100 % electrical inspection of the article during production. Quality documents are not part of the scope of delivery.

Technical modifications reserved



PDR 1409 Index 10

Eichenauer Heizelemente GmbH & Co. KG

Industriestrasse 1 · D 76770 Hatzenbuehl
☎ +49 7275 702 0 · 📠 +49 7275 702 200 · ✉ sales@eichenauer.de
www.eichenauer.de

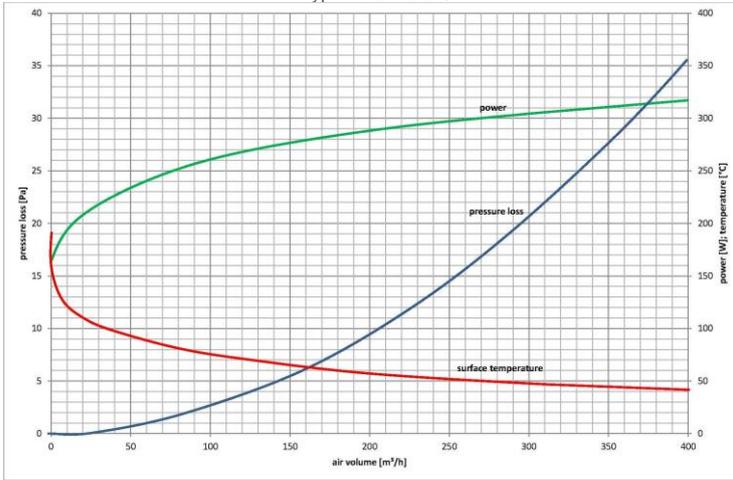


Universal PTC Heat Register (round design)

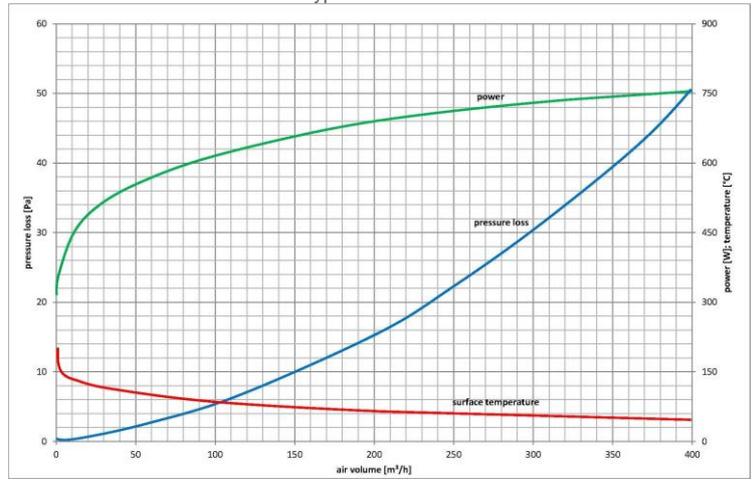


Technical Measurement Data

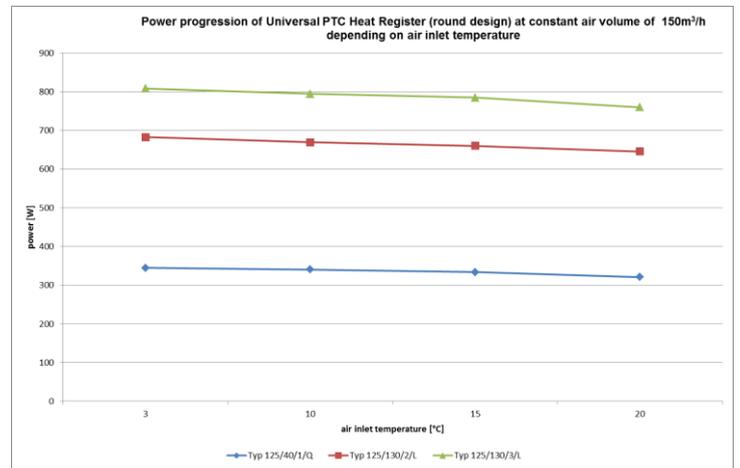
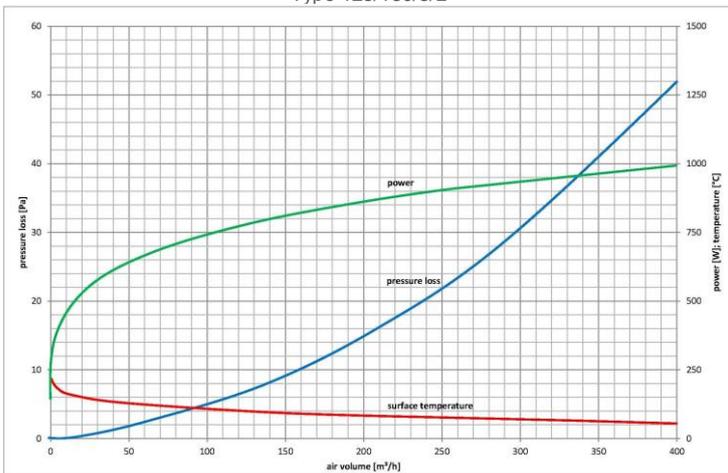
Type 125/40/1/Q



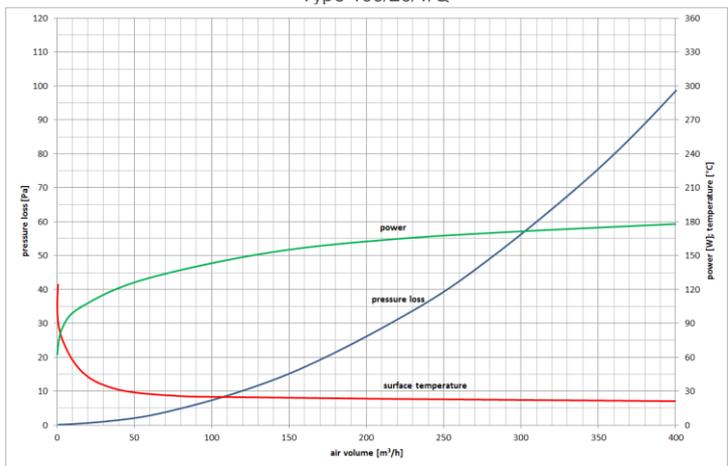
Type 125/130/2/L



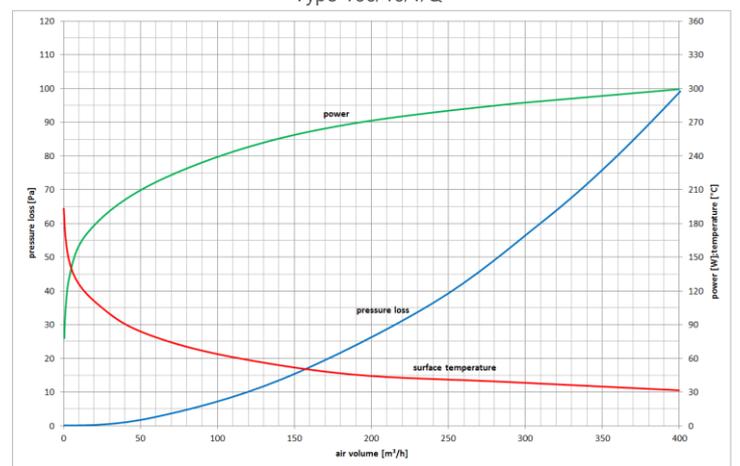
Type 125/130/3/L



Type 100/20/1/Q



Type 100/40/1/Q



Technical modifications reserved



PNR 1409 Index 10

Eichenauer Heizelemente GmbH & Co. KG

Industriestrasse 1 · D 76770 Hatzenbuehl
 ☎ +49 7275 702 0 · 📠 +49 7275 702 200 · ✉ sales@eichenauer.de
www.eichenauer.de

