

## AIR HEATING

### Description

Aluminium heating elements take advantage of the excellent heat conducting properties of aluminium and thus get a fast and uniform heat along the aluminium profile.

Designed to overcome all drawbacks of traditional heating systems. Our aluminium heating elements guarantee noiseless operation, perfect running and optimal efficiency. On our x-profile product, the large finned surface allows 86% of the heat to be conveyed through convection quickly and uniformly. This allows the heater to move a considerable air volume at low temperature when assembled correctly into appliances. We can advise on the correct assembly fittings which allow an expansion of ca 1% of the length and a max temperature of 350°C.

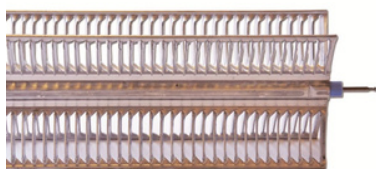


### Technical specification

Maximum allowed working temperature is 350°C which corresponds to approx. 15W/cm specific power at natural convection depending on the profile design. The aluminium profile element can have electrical connection at one or both ends of the element.

Element correctly geometric located and with correct assembling device where consideration is taken to an expansion of ca 1% of the length and a max temperature of 350°C create conditions for an optimum heating solution.

We have a standard range of aluminium element, but most of our products are manufactured according to customer specification or developed together with our customers.



#### Finned X-profile

Aluminium Profile

- 61x71, 65x84, 67x89mm (width x depth)
- Length: 215-1570mm
- W/length cm: 20-30W
- Max temp: 350°C



#### Finned I-profile

Aluminium Profile

- Width: 80 or 100mm
- Length: 215-1510mm
- W/length cm: 12-15W
- Max temp: 350°C



## I-profile

Aluminium Profile

- Width: 80 or 100mm
- Length: 215-1510mm
- W/length cm: 15W
- Max temp: 350°C



## Ceiling Heating Profile

Aluminium Profile

- Width: 180mm
- Length: 350-1270mm
- W/length cm: 15-20W
- Max temp: 285°C

Our range of profiled Aluminium Elements are used in a mixture of air heating applications from domestic use through to more rigorous industrial sectors, such as transport.

### Tube materials

Aluminium AA6060, AA6063

### Connections

Wiring or tab terminals, 1.5 or 2.5 pins

### Accessories

Flat pins, wiring, fixing devices

## Fields of Application

- Roof heating
- Marine heating
- HVAC
- Radiators
- Radiators for trains

## Benefits

- Low tool cost by new production techniques
- Low density = weight saving
- High degree of corrosion resistance
- Effective conduction of heat
- Long-lasting product