1.06.01
Aluminium heating elements for convection

>> Description
Designed to overcome all drawbacks of traditional heating systems. Backer's aluminium elements products guarantee noiseless operation, perfect running and optimal efficiency. The large finned surface allows 86% of the heat to be conveyed through convection quickly and uniformly, moving a considerable air volume at low temperature if assembled in appliances with the correct assembly.

>> Technical specification

<table>
<thead>
<tr>
<th>Material</th>
<th>Aluminium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>Cables or tab terminals acc. to customer desire</td>
</tr>
<tr>
<td>Design</td>
<td>Different types of gilles performance One- or two end connection</td>
</tr>
<tr>
<td>Voltage</td>
<td>Max 480 V</td>
</tr>
<tr>
<td>Optional</td>
<td>Fixing devices</td>
</tr>
<tr>
<td>Safety</td>
<td>The elements meet requirements acc. to EN 60335-1</td>
</tr>
<tr>
<td>Others</td>
<td>Maximum working temperature on element surface 350°C When assemble allow an expansion of ca. 1% of the element length</td>
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</tbody>
</table>

>> Benefits
- Low tool cost by new production
- Low weight
- Fast and even heating
- Effective conduction of heat
- Long duration product

>> Fields of application
- Radiators/convectors
- Train compartment heaters

Model | Element Ø (mm) | W/length cm
---|---|---
I-80 | 8.5 | 12
I-100 | 8.5 | 15
X-51x71 | 8.5 | 20
X-65x84 | 8.5 | 25
X-67x89 | 14.0 | 30

Aluminium element with example of fixing device.

Convector