



Figure 1: Elstein SBM series

Elstein SBM rod radiators are ceramic infrared dark radiators with surface ratings of up to 36.0 kW/m<sup>2</sup>.

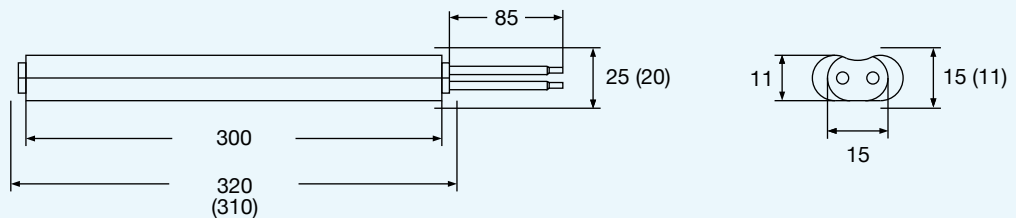
SBM radiators have been developed for use in infrared heated cabins and due to their long-wave infrared radiation gently and pleasantly heat the human body.

Furthermore, SBM rod radiators can also be used for other heating tasks. Due to their long oval design, they are particularly suitable for linear heating or for space-saving installations, if low installed heights have to be achieved.

SBM series radiators can be installed in any position. The power can be adjusted using a proprietary dimmer.

Elstein SBM rod radiators are available in two designs and cover the power range from 200 W to 400 W.

## SBM/300



## SBM/450

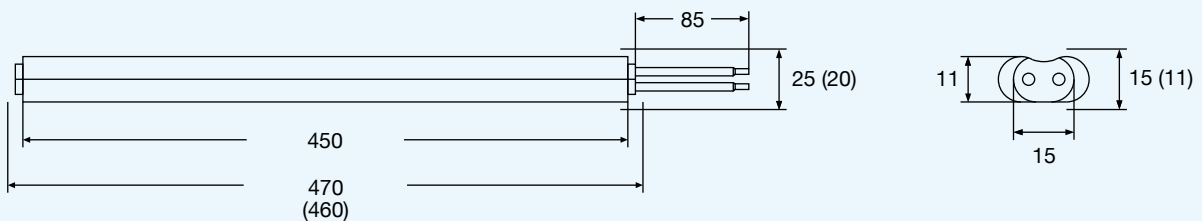
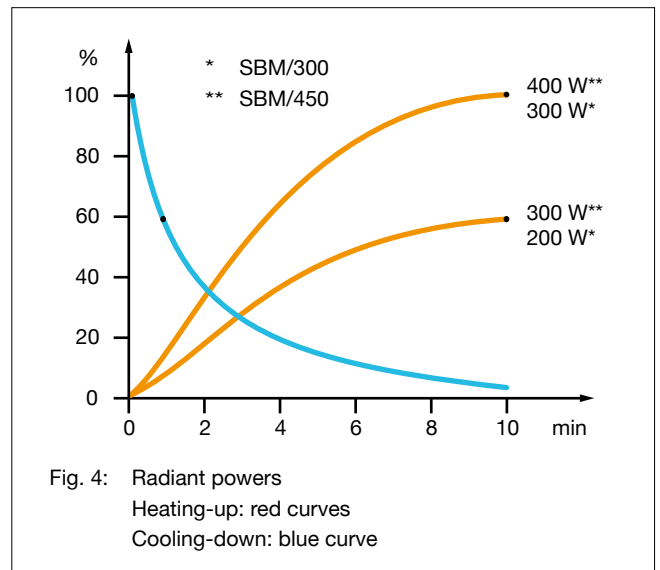
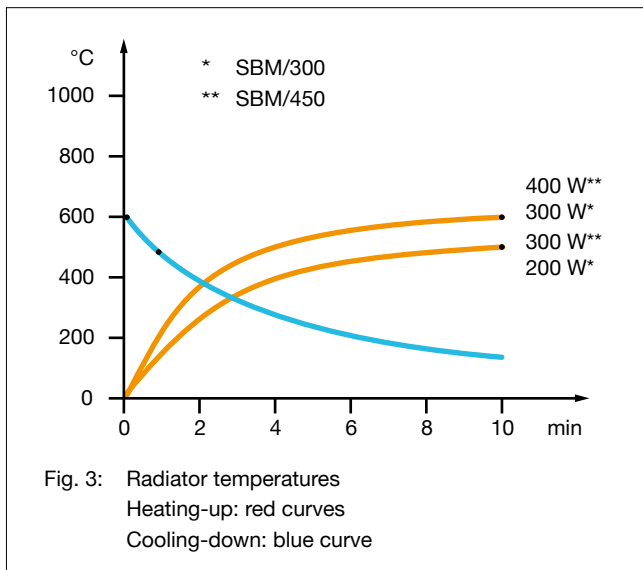



Figure 2: Mounting dimensions and radiator dimensions ( ) in mm



|                                 |         |       |        |      |      |      |                   |
|---------------------------------|---------|-------|--------|------|------|------|-------------------|
| Type, weight, wattage           | SBM/300 | 110 g | 200    | 300  | -    | -    | W                 |
|                                 | SBM/450 | 165 g | -      | -    | 300  | 400  | W                 |
| Surface rating                  |         |       | 24.0   | 36.0 | 24.0 | 32.0 | kW/m <sup>2</sup> |
| Typical operating temperature   |         |       | 420    | 550  | 350  | 500  | °C                |
| Maximum permissible temperature |         |       | 600    | 600  | 600  | 600  | °C                |
| Wavelength range                |         |       | 3 - 10 |      |      |      | µm                |

|   |  |  |
|---|--|--|
| <b>Standard design</b><br>Operating voltage 230 V<br>Ceramic full-pour casting<br>Leads 85 mm<br>Leads with insulating sleeve | <b>Thermocouple radiators</b><br>Designation T-SBM/300,<br>T-SBM/450<br>Integrated thermocouple<br>Type K (NiCr-Ni)<br>TC leads 100 mm<br> | <b>Variants</b><br>Special wattages<br>Special voltages<br>Extended leads<br>Leads with ring terminals |
|---|--|--|

The power can be adjusted using proprietary power controllers or dimmers.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations.

Our instructions for mounting, operation and safety must be observed.