**Technical Data CR 027**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Voltage</th>
<th>Power (W)</th>
<th>Max. current (inrush)</th>
<th>Axial Fan (ball bearing)</th>
<th>Thermostat range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>02700.0-00</td>
<td>220-240 VAC</td>
<td>400W</td>
<td>11A</td>
<td>20 cfm (35 m³/h)</td>
<td>0 - 60°C</td>
<td>2 lbs/0.9 kg</td>
</tr>
<tr>
<td>02700.0-00</td>
<td>220-240 VAC</td>
<td>550W</td>
<td>13A</td>
<td>26 cfm (45 m³/h)</td>
<td>0 - 60°C</td>
<td>2.4 lbs/1.1 kg</td>
</tr>
<tr>
<td>02700.9-00</td>
<td>100-120 VAC</td>
<td>550W</td>
<td>14A</td>
<td>20 cfm (35 m³/h)</td>
<td>32 - 140°F</td>
<td>2 lbs/0.9 kg</td>
</tr>
<tr>
<td>02701.9-00</td>
<td>100-120 VAC</td>
<td>650W</td>
<td>15A</td>
<td>26 cfm (45 m³/h)</td>
<td>32 - 140°F</td>
<td>2.4 lbs/1.1 kg</td>
</tr>
</tbody>
</table>

\*1\* at 68°F (20°C) ambient temperature. Also, power will vary when frequency other than listed is applied.

- **Heating element:** PTC-semiconductor/resistor, self-regulating with changing ambient temperature (see graph below)
- **Overheat protection:** Built-in temperature limiter in case of fan failure
- **Function control light:** LED
- **Housing:** Plastic, UL94V-0
- **Dimensions (H x W x D):** 6.5 x 3.94 x 5” (165 x 100 x 128 mm)
- **Connection:** 2-pole terminal, AWG 14 max. (2.5 mm²)
- **Mounting:** Clip for 35 mm DIN rail (EN 50022)
- **Protection class:** II (double insulated)
- **Protection type:** IP 20
- **Agency approvals:** UL

**Wiring note:**

Heater includes 3 terminals: L, N1, and N2. The power supply line is connected to “L” and the Neutral to “N1” - Terminal N2 is not used. Also, a Ground wire is not required as the heater is made of double-insulated plastic.

**Determining the required heater size:**

\[ P_r = (A \times \Delta T \times k) - P_v \]

\( P_r \) = Required heating power for your application in Watts (W)

\( P_v \) = Heating power generated by existing components (e.g. a transformer) in Watts (W)

\( A \) = Exposed enclosure surface area in square meters (m²)

\( \Delta T \) = Temperature differential between the desired minimum interior temperature and the lowest possible external temperature of the enclosure in Kelvin (K), 1.8°F = 1°C = 1K

\( k \) = Heat transmission coefficient of the enclosure material used:

- Painted steel: 5.5W/m²K
- Stainless steel: 3.7W/m²K
- Aluminum: 12W/m²K
- Polyurethane/Plastic: 3.5W/m²K

For outdoor applications it is recommended to double the heating power.

Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.