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# FAN HEATER 400-550 W CR027

02700.0-00
CR 027 475/550W Fan heater, 50/60Hz, 220-240V ac, 0…60°C



- Integrated thermostat
- Indication light on front
- Modern design

### PRODUCT DESCRIPTION

The heat source in this fan is a PTC element – a semiconductor that adapts its output to the ambient temperature. The colder it is, the more heat it produces. The PTC element has a high starting current and provides full output almost immediately.

The fan has an integrated adjustable thermostat, and can for example, be installed in enclosures indoors or outdoors to maintain an even temperature and thus avoid condensation, or it can be used to assure that the temperature is kept above a lowest permitted level.

The  CR 027 is designed to be clip in to din rail

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Heat output** | 475 W |
| **Nominal voltage** | 230 V AC |
| **Frequency** | 50/60 Hz |
| **Heater body** | Plastic |
| **Material of body** | Plastic |
| **Mounting** | Clip on, DIN rail |
| **Colour** | Light grey |
| **Number of fans** | 1 |
| **Connection type** | 2-pole terminal for 2.5 mm² cable. Tightening torque for connection screws max. 0.8 Nm |
| **Heat source** | Self-regulating PTC-element |
| **Recommended fuse (slow blow)** | 10 A |

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|---|---|
| **Inrush max** | 11 A |
| **Life span** | 50 000 h @ +25 °C |
| **Air capacity** | 35 m³/h |

## DIMENSIONS

| | |
|---|---|
| **Height** | 165 mm |
| **Width** | 100 mm |
| **Depth** | 128 mm |
| **Weight** | 0.9 kg |
| **Behind panel depth** | 128 mm |

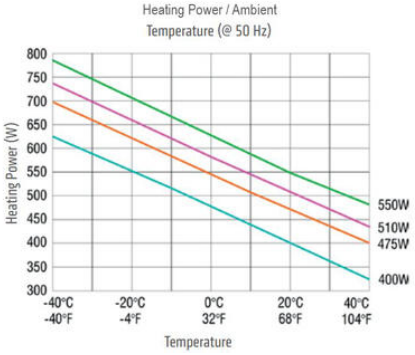
## SAFETY & APPROVALS

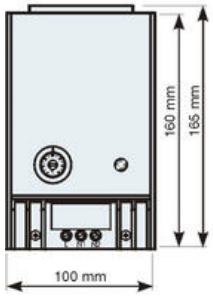
| | |
|---|---|
| **Protection class** | II (double insulated) |
| **IP class** | IP20 |
| **Approvals** | CE, cULus, EAC, RoHS, UL, VDE |
| **Flammability class** | UL94-V0 |
| **Overheating protection** | Overheat protection, fan failure with auto-reset |

## RATED OPERATING CONDITIONS

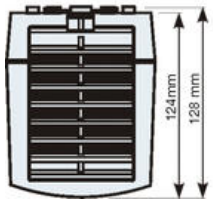
| | |
|---|---|
| **Operational temperature** | -45°C ... +70°C |
| **Storage temperature** | -45°C ... +70°C |
| **Operating humidity** | < 90% RH |
| **Humidity storage** | <90% RH |
| **Hysteresis temperature** | 7K |
| **Control range temperature from** | 0 °C |
| **Control range temperature to** | 60 °C |

| | |
|---|---|
| **Voltage min** | 220 V ac |
| **Voltage max** | 240 V ac |
| **Fan** | Axial fan, ball bearing |
| **Material plastic housing** | Plastic |


Heating Power / Ambient
Temperature (@ 50 Hz)
Heating Power (W)
800
750
700
650
600
550
500
450
400
350
300
-40°C
-40°F
-20°C
-4°F
0°C
32°F
20°C
68°F
40°C
104°F
Temperature
550W
510W
475W
400W


160 mm
165 mm
100 mm




124mm
128 mm