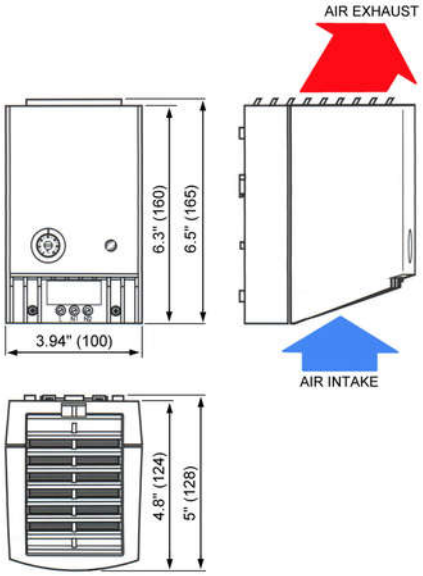
PTC FAN HEATER

CR 027 | up to 650 W



> Compact size
> Flat design
> Built-in overheat protection
> Twist clip or screw mountable

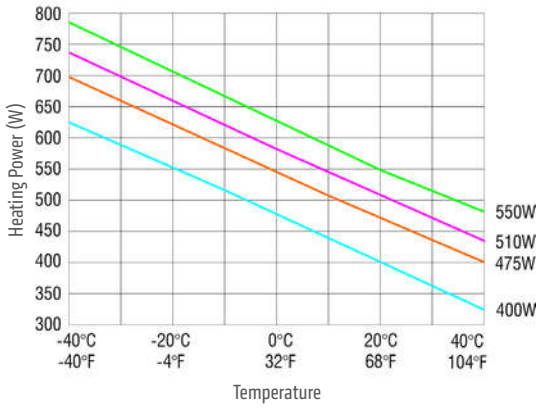
The semiconductor CR 027 fan heater prevents the formation of condensation and ensures an even temperature in enclosures. The integrated thermostat is used to set the desired temperature while the high performance axial fan provides forced air circulation. The CR 027 is also available with a continuously running fan (when powered).



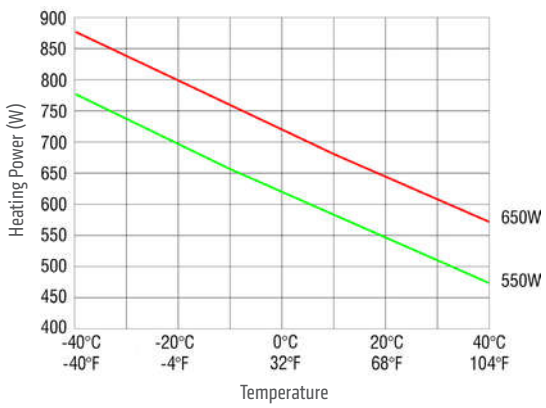
TECHNICAL DATA

Heating element	PTC resistor, temperature limiting
Overheat protection	built-in temperature limiter
Axial fan, ball bearing	service life 50,000 h at 77 °F (25 °C)
Air flow, free blowing	see table below
Connection	2-pole terminal AWG 14 max. (2.5 mm²), torque 0.8 Nm max.
Housing	plastic, UL 94V-0, light grey
Function control light	LED
Mounting	clip for 35 mm DIN rail, EN 60715
Mounting position	vertical airflow (air outlet up)
Operating / Storage temperature	-49 to +158 °F (-45 to +70 °C)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Dimensions	6.5 x 3.94 x 5.0" (165 x 100 x 128 mm)
Protection class / Protection type	II (double insulated) / IP20
Approvals	UL File No. E204590, VDE, EAC

Heating Power / Ambient Temperature (@ 50 Hz)



Heating Power / Ambient Temperature (@ 60 Hz)



Part No.	Operating voltage	Heating capacity[1] (@ 50 Hz)	Heating capacity[1] (@ 60 Hz)	Max. current (inrush)	Recommended pre-fuse T (time-delay)	Air flow, free blowing	Thermostat setting range[2]	Weight (approx.)
02700.0-00	AC 220 – 240 V	475 W	550 W	11.0 A	10.0 A	20 cfm (35 m³/h)	0 to 60 °C	2.0 lbs (0.9 kg)
02700.9-00	AC 100 – 120 V	400 W	550 W	14.0 A	10.0 A	20 cfm (35 m³/h)	32 to 140 °F	2.0 lbs (0.9 kg)
02701.0-00	AC 220 – 240 V	550 W	650 W	13.0 A	10.0 A	26 cfm (45 m³/h)	0 to 60 °C	2.4 lbs (1.1 kg)
02701.9-00	AC 100 – 120 V	510 W	650 W	15.0 A	10.0 A	26 cfm (45 m³/h)	32 to 140 °F	2.4 lbs (1.1 kg)

[1] at 68 °F (20 °C) ambient temperature; [2] switch temperature difference 7K (±4K tolerance)
Note: Only connect the L and N1 terminals – N2 is not used and grounding is not required.

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18.02.2020 | 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.