



Style RPM Metal Face Infrared Panel Heaters



Design Features

- * Panel heater can be mounted in any direction
- * Metal emitter face
Stainless steel with black finish
- * Precision wound resistance wire
- * Milled ceramic fiberboard to hold resistance wire, cemented in place
- * Heavy gauge aluminized steel enclosure box standard
Optional: 304 Stainless Steel
- * Optional: quartz thermowell tube
Standard: side mount with clamp
Optional-3 back mounted styles
- * Refractory blanket insulation
- * Stainless Steel power screw terminals
- * Mounting screw studs
Standard: 1/4-20 x 1"L
- * Electrical junction box, standard

Construction Characteristics

Tempco Style RPM Radiant Panel Heaters have a stainless steel metal with a black finish for the emitter surface. The RPM Radiant Panel Heater is a good heater when a cleanable surface and a robust design is required.

The ceramic fiber refractory board is milled out in a uniform pattern to accept the helically wound iron/chromium/aluminum alloy resistance element. The resistance coils are set into the precision machined grooved board and cemented into place. A ceramic cloth is placed between the metal face and the resistance coils.

Tempco Style RPM Radiant Heaters can transmit up to 65.0% of the power input as infrared energy. They can be positioned as close as 2 to 4" from the material being heated.

Typical Applications

- ➔ Thermoforming
- ➔ Paint Drying
- ➔ Ink Drying
- ➔ Curing of Plastic Coatings
- ➔ Silk Screen Painting
- ➔ Food Warming
- ➔ Heat Setting
- ➔ Film Shrinking
- ➔ Blister Packaging

SPECIFICATIONS

Maximum Size: In addition to the standard sizes listed below, custom sizes up to 24"W x 48"L can be manufactured.

Thickness: Standard — 3", Optional — 1.5" to 5"

Maximum Watt Density: 15 Watts/in²

Maximum Voltage: Voltage can be single, dual or 3-phase up to 600 VAC (depending on heater size and wattage)

Maximum Face Temperature: 700°C (1292°F)

Wavelength Range: Between 3.0 and 6.0 microns (μm)

Distributed Wattage and Zoning: Yes, dependent on size

Standard (Non-Stock) Sizes and Ratings of Style RPM Metal Face (SS) Infrared Heaters

To complete the part numbers below, include the designated number that applies to the following options:

0 = Plain, no thermowell or T/C **1** = Thermowell only **2** = Thermowell and type K T/C **3** = Thermowell and type J T/C

Available Thermowell/Thermocouple types and descriptions can be found on page 7-95.

For the part numbers below, if a thermowell is specified, the standard Side Mount Thermowell with Clamp is supplied.

Width		Length		10W/in ²			15W/in ²			Part	
in	mm	in	mm	Watts	Volts	Ph.	Part Number	Watts	Volts	Ph.	Part Number
6	152	12	305	720	120	1	RPM0101__	1080	120/240	1	RPM0201__
6	152	18	457	1080	120/240	1	RPM0102__	1620	240	1	RPM0202__
6	152	24	610	1440	120/240	1	RPM0103__	2160	240/480	1	RPM0203__
12	305	12	305	1440	120/240	1	RPM0104__	2160	240/480	1	RPM0204__
12	305	18	457	2160	240/480	1	RPM0105__	3240	240/480	1	RPM0205__
12	305	24	610	2880	240/480	1	RPM0106__	4320	240/480	1	RPM0206__
16	406	24	610	3840	240/480	1	RPM0107__	5760	240/480	1	RPM0207__
24	610	24	610	5760	240	1	RPM0108__	8640	480	1	RPM0208__