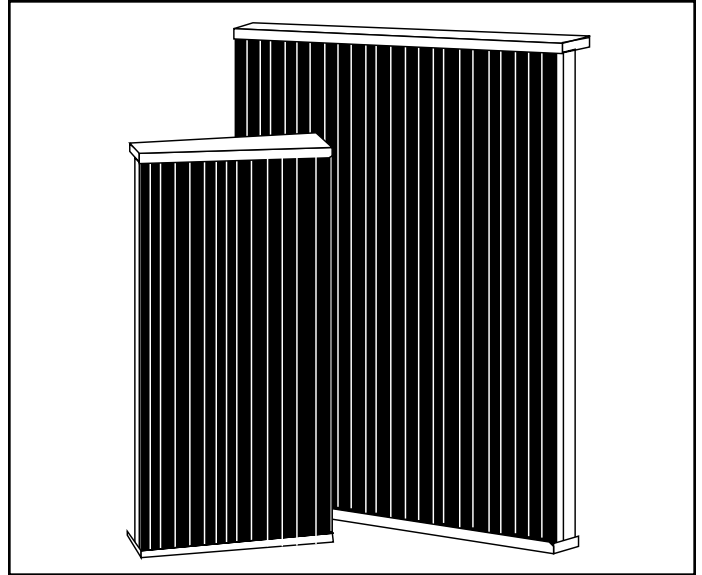


# RAYMAX® 1120— Lightweight, Sturdy Radiant Heater Panel



The RAYMAX® 1120 is a lightweight, yet sturdy and durable radiant heater panel. The emitter sheath is stainless steel with a black coating that makes it a highly efficient radiating surface. In addition, the heater's low mass allows rapid start-up and fast response to controls.

The patented RAYMAX heater features one-inch (25 mm) wide emitter strips that are individually replaceable for lower maintenance costs. Weighing only 5.5 lbs/ft<sup>2</sup> (26.8 kg/m<sup>2</sup>), the heater is easy to mount.

## Applications

- Thermoforming
- Textile drying
- Paint curing
- Powder coating fusing
- Shrink wrapping
- Circuit board soldering

## Features and Benefits

### Replaceable emitters

- Reduce your costs

### High temperature mica

- Electrically insulates nickel chromium resistance wire, permitting longer heater life

### High emissivity coating on emitter strips

- Improves radiant heating efficiency

### One-inch thick thermal insulation

- Backs the emitter strips to reduce backside losses

### Uniform full surface heat source

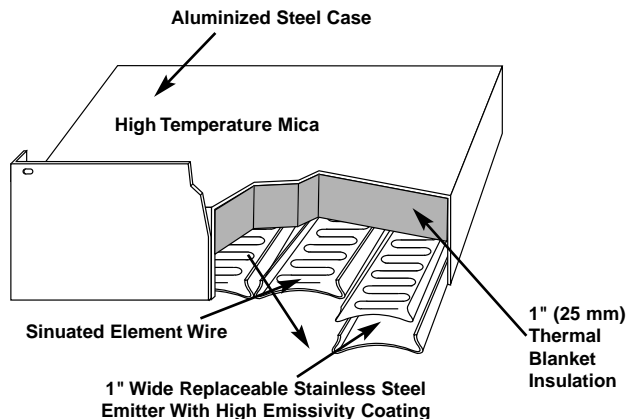
- Provides better, more even heat

### Special requirements easily met

- Custom sizes and ratings available

### Next day shipment

- Available on stock sizes



12001 Lackland Road  
St. Louis, Missouri 63146 USA  
Phone: 314-878-4600  
FAX: 314-878-6814  
Internet: [www.watlow.com](http://www.watlow.com)  
e-mail: [info@watlow.com](mailto:info@watlow.com)

# RAYMAX 1120

## Applications and Technical Data

**Face Temperature:** 1100°F maximum (595°C)

**Wattage:** Watt densities up to 20 W/in<sup>2</sup> (3 W/cm<sup>2</sup>)

**Standard Voltage:** 120, 240, 480V~(ac), 1-phase. Balanced 3-phase available on unit widths divisible by three. Other voltages are available.

**Terminals:** Non-standard locations are also available. Please specify.

**Standard Dimensions:** ±1/16 inch (0.0625 mm)

**Typical Peak Energy Wavelength:** 3-3.5 microns

### Specifications

Heater Dimensions	Min.	Max.	Increments
Width: inches (mm)	1 (25.4)	36 (914.4)	1 (25.4)
Length: inches (mm)	6 (152.4)	70 (1778)	any
Area: in <sup>2</sup> (cm <sup>2</sup> )	6 (38.7)	864 (5574.2)	any

**Note:** Less than maximum length X width may exceed maximum area.

### How to Order

To order your stock RAYMAX heater, specify:

- RAYMAX 1120
- Quantity
- Watlow code number (from Watlow Heater's Catalog)

If our stock units do not meet your application needs, Watlow can manufacture RAYMAX heaters to your special requirements. For made-to-order heaters, specify the following:

- Heated width and length. Three-phase panels must have width divisible by three.
- Total wattage of each panel.
- Exact voltage and phase. A five percent variation in voltage at the oven will cause a 10 percent variation in power.
- Zoning. Indicate dimensions and wattage of each zone.
- Mounting legs or mounting studs, if desired. For studs, give number and location, or indicate standard location.
- Terminal location if non-standard.
- Terminal box or wire raceway, if required.

Supplying a drawing with an order or request for quotation can be very helpful in clarifying design information.

### Availability

**Stock:** Next day shipment.

**Made-to-Order:** Consult Watlow.

