

Radiant Heaters

RAYMAX® 1330

The RAYMAX® 1330 is the only radiant heater that features specially insulated heater emitter strips for higher performance. Watlow developed a unique compacted mineral insulation to electrically insulate the element wire, with a result of superior heat transfer and higher operating capabilities.

Because of its rugged stainless steel construction, the RAYMAX 1330 will last longer. And this heater features a high emissivity black coating and a uniform, full surface heat source for better efficiency.

Performance Capabilities

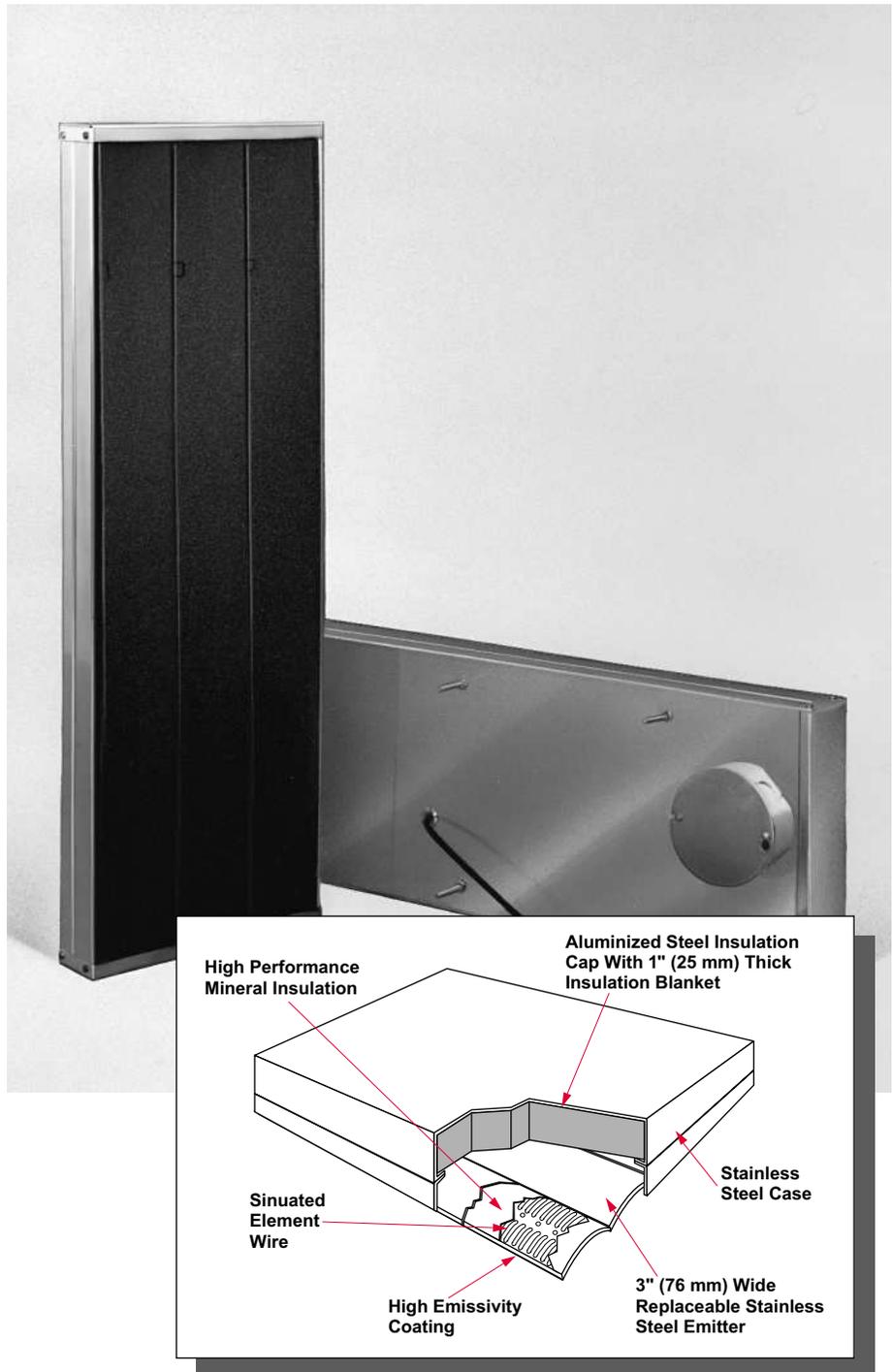
- Maximum face temperature: 1300°F (700°C)
- Maximum watt density: 30 W/in² (4.7 W/cm²)
- Typical peak energy wavelength: 3-3.6 microns

Features and Benefits

- **Field replaceable emitter strips** allow you to avoid the cost of buying a whole new radiant heater later on.
- **Rugged metal construction** protects heater from contaminants.
- **Accurate, responsive** face temperature sensing options are available.
- **No reflectors** to be cleaned or replaced.
- **No fragile glass** or ceramic elements to worry about.
- **Backside insulation** is one inch (25 mm) thick, resulting in better heating efficiency.

Applications

- Thermoforming plastics and composites
- Circuit board soldering
- Heat shrinking of plastic
- Terminal box
- Thermowell
- Thermocouple welded to hot face
- Mounting studs



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Applications and Technical Data

Sizes and Ratings

Thickness: 2.562 inches (65 mm)

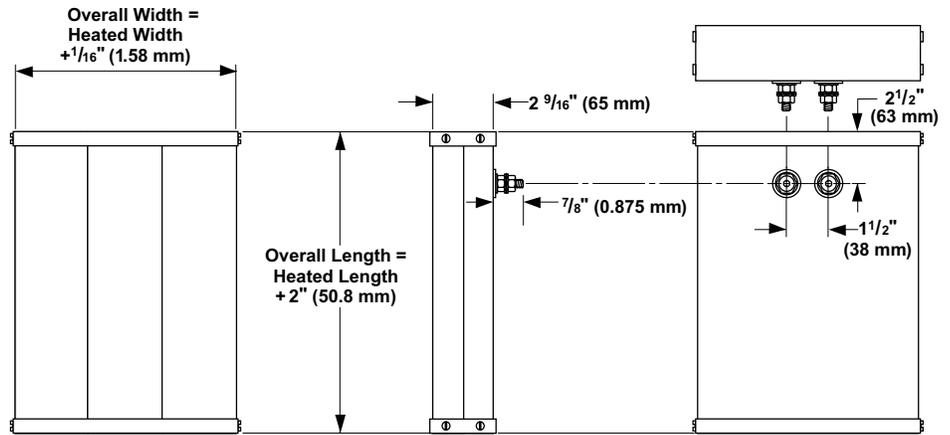
Volts: 120, 240, 480V~(ac),
1-phase. 3-phase available on units with three or six emitters.

Maximum Watt Density: 30 W/in²
(4.7 W/cm²)

Maximum Face Temperature:
1300°F (700°C)

Typical Peak Energy Wavelength:
3 microns

Heater Dimensions	Minimum	Maximum	Increments
Heated width:	3.187 in (81 mm)	19.125 in (485.77 mm)	3.187 in (81 mm)
Length:	12 in (305 mm)	30.5 in (775 mm)	any



F.O.B.: St. Louis, Missouri

How to Order

The RAYMAX 1330 and radiant band/strip emitters are available **made-to-order** only. It is helpful to have the following information available:

- Heated width and length (or diameter for band emitters)
- Total wattage
- Voltage and phase
- Mounting studs, if desired
- Mounting legs and leg height, if desired
- Terminal location
- Terminal box, if desired
- Thermocouple or thermowell, if desired

Availability

Made-to-Order: Consult Watlow