## RAYMAX® 1330

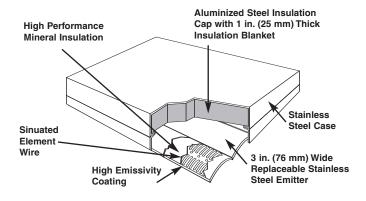
# RAYMAX® 1330— Features Specially Insulated Heater Emitter Strips for Higher Performance

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 relatively new heater features a high emissivity black coating and a uniform, full surface heat source for better efficiency.

## **Applications**

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





## **Features and Benefits**

## Field replaceable emitter strips

Allow you to avoid the cost of buying a whole new radiant heater

## **Rugged metal construction**

· Protects the heater from contaminants

#### No reflectors

No cleaning or replacing

## No fragile glass or ceramic elements

No worries involved

## One-inch thick backside insulation

· Provides better heating efficiency



STL-1330-0805

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## **Applications and Technical Data**

## Sizes and Ratings

#### **Thickness**

2.562 inches (65 mm)

#### Volte

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

## **Maximum Watt Density**

• 30 W/in<sup>2</sup> (4.7 W/cm<sup>2</sup>)

## **Maximum Face Temperature**

700°C (1300°F)

## **Typical Peak Energy Wavelength**

• 3 microns

Heater Dim.	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

## **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**

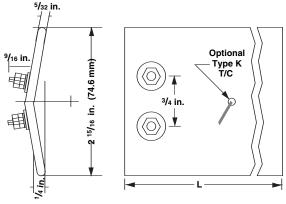
Made-to-Order: Consult Watlow

## **Radiant Band and Strip Emitters**

Constructed using Watlow's exclusive mineral insulation, rugged stainless steel sheath and high emissivity coating, these heaters can operate at temperatures to 700°C (1300°F), and 30 W/in² (4.7 W/cm²).

## **Applications**

- · Heating rotating drums and rollers
- Tube ovens
- · Small spot heating
- · Heat shrinking and curing wire coatings
- · Heat laminating wheels



Overall = Heated +  $1^{3}/_{16}$  in.

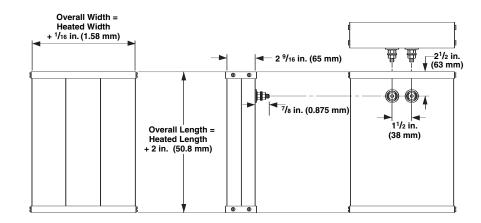
## **Sizes**

## Strip Emitters:

Width: 3 inches (76.2 mm)
Length: 6 inches (152.4 mm) min
31 inches (76.2 mm) max

Band Emitters:

Width: 1 inch (25.4 mm) min 2 inch (50.8 mm) 3 inch (76.2 mm) max



To be automatically connected to the nearest North American Technical and Sales Office call:

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