

# **SUPERTHAL®**

## **High Power Reflector**

### **Modular Heaters for Extra High Power**

SUPERTHAL High Power Reflector is a new compact fiber insulated modular heater with KANTHAL® Super integrated elements. It is designed for a power of up to 110 kW/m<sup>2</sup> (10 kW/ft<sup>2</sup>) at 1650°C (3000°F).

The standard size is 600 x 600 mm (23.6 x 23.6 in), and multiple units can easily be joint together in different configurations in rows or squares.

The High Power Reflector can be operated horizontally and is easy to install and connect to a standard power supply.

### **Applications**

Wherever a concentrated very high and clean power at temperatures of up to 1650°C (3000°F) is needed, for instance in:

- Single billet heating up to 1350°C (2460°F)
- Aluminum melting furnaces
- Ladle heaters



# Technical Data

## Specifications

The module consists of special MoSi<sub>2</sub> KANTHAL Super elements integrated in ceramic fiber and supported by a steel sheet.

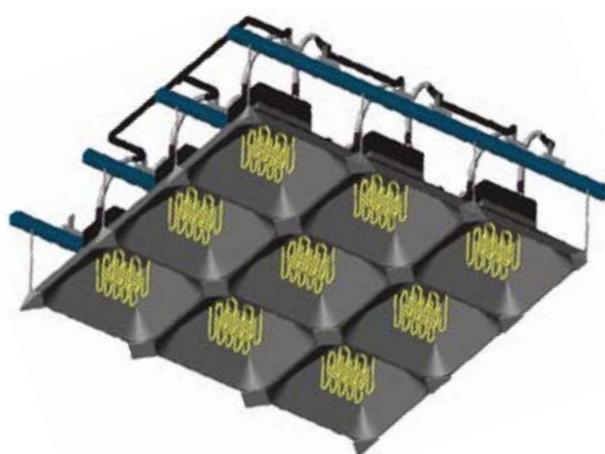
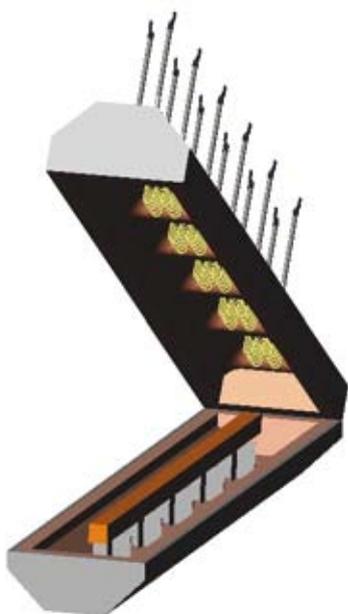
Hooks are pre-mounted for hanging the module in straps.

The contact straps are ready to be connected to the power supply.

## Product Name

SUPERHAL High Power Reflector

<b>Width</b>	600 mm (23.6 in)
<b>Depth</b>	600 mm (23.6 in)
<b>Height</b>	230 mm (9.1 in)
<b>Power</b>	40 kW
<b>Voltage</b>	66 V at 1650°C (3000°F)
<b>Current</b>	605 A at 1650°C (3000°F)
<b>Power density</b>	110 kW/m <sup>2</sup> (10 kW/ft <sup>2</sup> )
<b>Element temp.</b>	up to 1650°C (3000°F)
<b>Element type</b>	KANTHAL Super special, 12/24



Application examples:  
(Left) Single billet preheating furnace with 6 SUPERHAL High Power Reflectors  
(Top) Overhead heater with 9 Reflectors

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