

# SPECTRUM DIE HEATERS

## TL & DF DIE HEATERS

QUALITY | RELIABILITY | LIFE CYCLE ECONOMICS

**EVEN HEAT.  
FAST START UP.  
CLEAN AND SAFE.**

### Spectrum Die Heaters

Spectrum Die Heaters provide the forging and die casting industries with a potent, cost-efficient solution for die preheating. By utilizing electric infrared technology, our heaters ensure that dies are quickly and evenly heated throughout the production process. This method reduces die preheating times, saves energy and improves production quality. These heaters can also effectively preheat machinery and tooling such as rods and rams.



Pictured:  
Spectrum 18kW DF Die Heater.

### TL Die Heaters

9kw to 57.5kw heat output  
240V or 480V

### DF Die Heaters

9kw to 57.5kw heat output  
240V or 480V  
Side Handles and Frame Rod Weldment

### Features and Benefits

- Uniform Heat- prevents hot spots.
- Clean- no by product of combustion to contaminate die surfaces, no fumes.
- Bi-Directional- allows for simultaneous heating of multiple dies.
- Rugged Construction- 14 gauge 304 stainless steel structural components are resistant to heat-induced distortion.
- Modular Design- parts are easily replaced with just a screwdriver and wrench.
- Versatile- heaters can be operated independently or grouped together on larger dies.

# SPECTRUM DIE HEATERS

## TL & DF DIE HEATERS

### TL Die Heater Selection Guide

Part Number	kW	Approximate BTU/Hour	Dimensions (inches)
TL-(V)-9	9	30,710	22.03 × 19.38 × 4.7
TL-(V)-13.5	13.5	46,064	21.88 × 26.50 × 4.7
TL-(V)-18	18	61,420	21.88 × 31.88 × 4.7
TL-(V)-30	30	102,364	34.06 × 31.38 × 4.7
TL-(V)-40	40	136,486	34.06 × 39.38 × 4.7
TL-(V)-57.5	57	170,607	34.00 × 53.38 × 4.7

To determine a specific part number, replace (V) with the desired voltage from those listed in the table below:

#### VOLTAGE (V)

TL	240	480
DF	240	480

### DF Die Heater Selection Guide

Part Number	kW	Approximate BTU/Hour	Dimensions (inches)
DF-(V)-9	9	30,710	21.78 × 19.50 × 4.7
DF-(V)-13.5	13.5	46,064	21.88 × 26.00 × 4.7
DF-(V)-18	18	61,420	21.88 × 31.38 × 4.7
DF-(V)-30	30	102,364	33.81 × 31.38" × 4.7
DF-(V)-40	40	136,486	33.81 × 39.38 × 4.7
DF-(V)-57.5	57	170,607	34.00 × 53.38 × 4.7

Call 800-605-9818 for more information.

### Optional Control Systems

- 1, 2 and 3-circuit controller boxes, available in 240V and 480V, with percentage input timer.
- IR Thermosensor - An infrared thermometer paired with a digital temperature controller to provide accurate measurement of die temperature.