

Triflex blade plate heaters (TBPH) can be manufactured with stainless steel, aluminum or cold roll steel. An HT-65 treatment option can be applied to the cold roll steel which is then polished, preventing materials from adhering to the heater.

This heater is commonly used in tanks to melt wax or soft metals such as lead. Depending on the application, the watt density of the surface area is between 10 to 25 watts per square inch. Suitable for operating temperatures of up to 1050°F. This heater is available in single or 3-phase and can have high limits integrated inside or outside the heater.

These heaters are constructed to be durable and able to withstand vibrations and tough applications. Trivolt Triflex blade plate heaters (TBPH) can be machined in a variety of shapes and sizes, with terminal boxes and mounting tabs for efficient mounting and installation.

TriVolt adopts a stringent internal Quality Control System. Every heater is tested for resistance and dielectric. All our electric heaters are compliance certified or have international approvals from CSA, CUL or CE certified. (Pending for this model)



Applications

- Melt metals such as lead*
- Melt materials such as wax*
- Heat chemicals and oils*
- Heat water*

Triflex Blade Plate Heater Data Sheet

Specifications

- » Operating temperature: up to 1050°F (565°C)
- » Watt density: 10-25 watts/sq. in.
- » Single or 3-phase
- » Maximum voltage 600VAC
- » Resistance tolerance: +10% / -5%

Construction

- » Exterior material; stainless steel, aluminum, and steel
- » Dimensions can be customized
- » Thickness: 1" to 3"
- » Ring lug for lifting
- » HT-65 treatment option available

Electrical Connections

- » Single phase
- » 3-phase
- » Up to 600
- » Process thermocouple
- » High limit

Terminal Housing

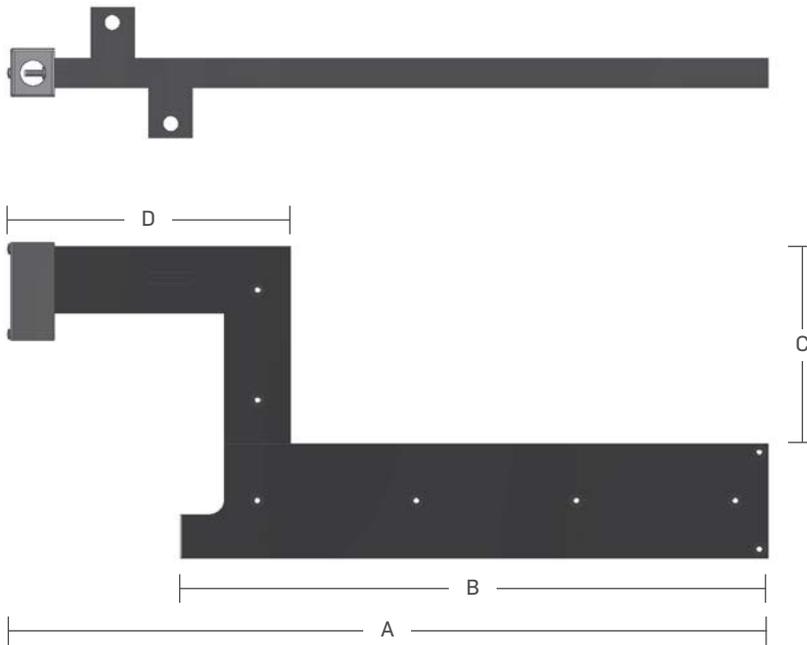
- » Terminal box Nema 1 or 4
- » Terminal box with wire

Clamping Method

- » Mounting tabs

Holes

- » Notches
- » Square cut-out



| Item no. | KW | Volts | Phase | A | B | C | D | Thickness |
|------------|----|-------|-------|-------|-------|-------|-------|-----------|
| TRBLD-5001 | 5 | 240 | 1 | 25.00 | 16.00 | 11.25 | 12.00 | 2.00 |
| TRBLD-5002 | 5 | 240 | 1 | 25.00 | 16.00 | 16.00 | 12.00 | 2.00 |
| TRBLD-5003 | 10 | 240 | 1 | 32.50 | 24.00 | 17.00 | 11.25 | 3.00 |
| TRBLD-5004 | 10 | 240 | 3 | 32.50 | 24.00 | 17.00 | 11.25 | 3.00 |