

ST-45 Induction Heater

Applications:

- Structural Preheat/Postheat
- Annealing
- Stress Relieving
- Non-invasive Process Heating
- Shrink Fitting
- Enamel Stripping

Industries:

- Pipelines
- Structural Welding
- Gear/Pulley Assembly
- Mining Equipment
- Petrochemical
- Offshore Drilling

Specifications

Input: 460V_{AC}-600V_{AC}, 60A, 3ph, 50-60Hz
Output: Max 1000V_{AC}, 350A, 1ph, 10-25kHz

Weight: 510lbs
Dimensions: 45" x 25" x 39"

Duty Cycle: 100% at 45kVA output

CONSTRUCTION:

- Rugged stainless steel construction: 14ga stainless panels and 1.5" tube frame.
- Heavy duty cast wheels for strength, with molded polyurethane coating for surface protection.
- Wide wheelbase to accommodate forklift access, and forged stainless eyebolts for lifting.



COOLING:

- 20,000 BTU/hr heavy duty water cooler, integrated into the chassis for protection.
- High quality brass interconnects, recessed to prevent damage.
- Built-in flow/temperature sensors to protect from broken hoses or high ambient temperatures.
- Forced air cooling of power electronics through well ventilated design.

OUTPUT:

- Compatible with SteinHEAT's high reliability induction heater feeder cables and patented induction cables.
- Dual output capable of preheating both side of a welded joint.
- Nickel plated output connections capable of 350A and resistant to corrosion.
- Self-tuning, self-optimizing heating algorithm always ensures the maximum power delivered to the workpiece

SUPPORT:

- Technicians and Engineers standing by to answer all your induction heating and induction coil questions.
- Manufactured in Canada means low lead time on replacement parts or additional equipment.

CONTROLS:

- Simple, intuitive buttons to activate heating cycle.
- Eurotherm™ Nanodac temperature controller for recipe programming and channel recording, capable of advanced thermocouple and process control.
- Easy-to-read LCD display for operating parameter read-back, with plain English error messages for easy troubleshooting.
- USB and RJ45 connectivity for recording and MODBUS functionality.
- Rugged front panel connector for remote connectivity.

