

UPT-M/AIR

8-25 kW/ 5-50kHz

Induction Technology Solutions



BENEFITS OF INDUCTION HEATING

- Improved energy efficiency compared to resistance or flame heating
- Uniform heating with high degree of controllability and repeatability
- Low maintenance requirements, easy to use systems
- Increased productivity by rapid time-to-temperature heating
- Eliminates open flame safety hazard and propane handling expenses



The UPT-M/AIR family of products is specifically designed for preheating applications, stress relieving or shrink fitting applications.

Air-cooled, compact and mobile units, easy to use and move around the work area

Easy to configure the heating coil using either dry cables or water cooled leads

Uses advanced, cost-effective induction heating technology with adaptive digital phase control, providing very efficient operation in wide frequency and load ranges

CE certified with built-in safety features (open coil detection, isolation fault protection, over current and over temperature protection)

APPLICATIONS

Pipe and Plate Heating, Weld Pre-Heating, Stress Relieving, Shrink Fitting, Mounting/Dismounting, Coating Curling and more...

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FEATURES

- Air Cooled Coil
- Displayed Parameters: Voltage, Power, Current, Temperature
- Limit Setting: Current, Volts, Power, Temperature
- Automatic, Remote, or Local Control
- Variable ratio output isolation transformer for load matching to a wide range of loads and coils
- RS232/485 interface for remote computer monitoring, control and diagnostics
- Power control from 2% to 100% in 1% increments
- Built-in temperature controller with thermocouple input
- Multiple user programs with programmable steps: Power level, temperature, time duration
- 0-10V or 4-20mA external control and remote Start/Stop operation

SPECIFICATIONS

Power Supply Model

	UPT-M8/AC	UPT-M12/AC	UPT-M25/AC
Output Power, kW	8	12	25
Frequency, kHz	10-50	10-50	5-25
AC Line, Volts (50/60Hz)	380/480±10%	380/480±10%	380/480±10%
Line Phases	3	3	3
Weight, Lb (kg)	242.5 (110)	242.5 (110)	440.9 (200)
Dimensions, Inch (cm) LxWxH	25.2 x 19.7 x 23.6 (64 x 50 x 60)	25.2 x 19.7 x 23.6 (64 x 50 x 60)	31.5 x 23.7 x 32.7 (80 x 60 x 83)

Optional Equipment

	Description
RCP-02	Remote Control Box (Start/Stop)
FS-01	Foot Switch Assembly
CAB-025	25 ft Dry Cables
CAB-050	50 ft Dry Cables
CAB-075	75 ft Dry Cables
CAB-W25	25 ft Water Cables