

ULTRAHEAT M-SERIES

25-35kW/10-150kHz

EFFICIENT POWER FOR
INDUCTION HEATING



FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Operator controls – Selectable: Automatic, Remote or Local
- Capable of delivering full power in the 10-150kHz frequency range
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- R485 interface for remote computer monitoring, control and diagnostics
- Power control from 10 to 100% in 1% increments
- 5 programs with 9 programmable parameters
- 0-10V or 4-20mA external control and remote Start/Stop operation

Advanced, cost-effective power supplies utilizing the latest switching power supply technology. Induction Heating using adaptive digital phase control providing very efficient operation in a wide frequency range.

Reliable, modular system, easy to maintain and service.

Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance.

Configured to operate with external Heat Stations allowing output connections to be available from all sides.

Durable design, loaded with safety and diagnostics features.

Serial Communication link to a PC based software (optional).

APPLICATIONS

Brazing, Shrink Fitting, Annealing, Hardening, Melting of Metal, Curing, Forging, Bonding, Heating, Plastic Reflow, Susceptor Heating.

HEADQUARTERS

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ultraflexpower.com



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BENEFITS

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity

Power Supply Model

	M25/50 OUFX-777-400	M25/150 OUFX-777-300	M35/50 OUFX-777-200	M35/150 OUFX-777-200
Output kW	25 kW	25 kW	35 kW	35 kW
Frequency kHz	10-50	50 - 150	10-50	50 - 150
AC Line Volts (50/60Hz)	230±10%	230±10%	380/480±10%	380/480±10%
Line Phases	3	3	3	3
Weight Lb (kg)	335 (150)	335 (150)	335 (150)	335 (150)
Dimensions Inch (cm) WxDxH	23.6" x 18.9" x 51.2" (60 x 48 x 130)	23.6" x 18.9" x 51.2" (60 x 48 x 130)	23.6" x 18.9" x 51.2" (60 x 48 x 130)	23.6" x 18.9" x 51.2" (60 x 48 x 130)
Compatible Heat Station	HS-35, HS-35LF	HS-35, HS-35LF	HS-35, HS-35LF	HS-35, HS-35LF

Heat Station Model

	HS-35MF 1ACC-777-200	HS-35LF 1ACC-777-250
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	10 / 20 (305 / 610)	10 / 20 (305 / 610)
Dimensions Inch (cm) WxDxH	25.7" x 15.9" x 12.9" (65.4 x 40.5 x 32.7)	25.7" x 15.9" x 12.9" (65.4 x 40.5 x 32.7)
Weight Lb (kg)	106.8 (48)	129.1 (58)
Cooling requirements water system quoted upon request	water (external)	water (external)
Min. Cooling Water, GpM (LpM)	2 GPM (8 lpm)	2 GPM (8 lpm)
Inlet Water T° (max),F (°C)	60/95°F (15/35°C)	60/95°F (15/35°C)
Min water pressure PSI (Bar)	45 (3)	45 (3)

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