

60 kW Induction Heating Power Supply

Model 60/30

- 60 kW Power Output
- 0.5-30 kHz Frequency Range
- External Remote Heating
- Local and Remote Operation
- Up to 16 Heating Programs



Our GH IA Model 60/30 induction heating power supply represents an exciting new alternative for precision industrial heating applications.

With 60 kW of output power over a 0.5 to 30 kHz operating frequency range, the GH IA Model 60/30 is ideal for applications such as heat treating, brazing, shrink fitting, annealing, curing and tempering.

For process control, the Model 60/30 offers a choice of local control through the large front panel MPC-2 liquid crystal display, or remote operation through external signals.

With a fully digital, compact design, the Model 60/30 delivers maximum reliability and repeatability in a small, 24"W (610 mm) x 24"D (610 mm) x 48" (1220 mm) footprint. The unit weighs just 198 lbs. (90 kg).

The heat station is externally located. NPT connections for water cooling are conveniently located on the rear panel. The output circuit is based on series tank with a current transformer.

Parameter controls include power and current regulation; the LCD also provides

alarms and threshold visualization. The MPC-2 can be programmed for English, Spanish and several other languages.

The main benefits of the GH IA 60/30 are increased productivity and parts quality; energy savings and reduced production costs; easy to operate; full process control; environmentally-friendly process with low noise level and no toxic gases.

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Specifications

Output Power	60 kW
Output Frequency	0.5-30 kHz
Coil Voltage	100-700 V at 60 kW
AC Line Power	67 kVA
AC Line Interruption	Circuit Breaker, 100 amp
Voltage Supply	3-phase 380-480 VAC, 50/60 Hz
Ingress Protection	IP54
Dimensions (W x D x H)	24 x 24 x 48 in. (610 x 610 x 1220 mm.)
Weight	198 lbs (90 kg.)
Max Ambient Temperature	95° F (35° C)
Power Converter Cooling	Water
Max Inlet Water Temperature	95° F (35° C)
Min. Pressure	45 PSI (3 BAR)
Min. Water Flow	2.65 GPM (10 liters/min)
Cooling Protection	internal flow switch
Digital Inputs (+24V Optocoupled)	Start/Stop, Reset, Flow Switches, Emergency Stop is analog
Digital Outputs	Ready, Heating



Remote Heat Station with Inductor

Analog Inputs (0-10 VDC)

- Power Control Nominal Value

Options & Accessories

- Compact heat exchanger or chiller
- Pyrometer or thermocouple (closed-loop T^a control)
- Temperature controller
- Footswitch
- Quality control system (energy monitor)
- Analog outputs (power, frequency, voltage, current; 0 to 10 V)
- Unitronics PLC with 50 programs, 10 steps per program

Upon Request

- Field busses: PROFIBUS, DEVICENET, PROFINET, INTERBUS

Basic Configuration

- Fully Digital Power Converter Controller
- Local operations through display MPC-2: color LCD
- Parameter control: power and current regulation; alarm and threshold visualization
- Remote operations through external signals
- PC-USB connection. Configuration can be loaded or saved into a file
- Languages: English, Spanish, French, German, Italian, Portuguese
- External Emergency Stop signal
- Starting ramp configuration



Manufactured
and Serviced
in the USA