



Induction L.L.C.

INDUCTION HEATING SOLUTIONS

**Model LFI/HFI Series
35-400 kHz Induction Power Supplies**

Features

- Modern Compact Design
- Highly Efficient MOSFET based Solid State Circuitry
- Suitable for a wide range of applications
- Broad frequency range; 35-100 kHz (LFI) and 135-400kHz (HFI)
- Trouble free tuning to a variety of loads.
- Remote Interface with 0-10V input.
- Input cooling water to 105°F
- Rugged, Reliable design meets demanding conditions imposed by high production processes.



RDO Model LFI/HFI Induction Heating Systems

The LFI and HFI series of power supplies offer a wide range of frequencies in power from 3.0 to 100kW, which correlates to technical effectiveness in a variety of customer applications. Designed with an adjustable tank capacitance and multi-tap output transformer, the LFI/HFI systems are flexible and reliable to meet demanding manufacturing conditions.

Diagnostic Systems & Meter Displays

All systems are equipped with Diagnostic Limit Indicators for Voltage, Power, Frequency and Current, along with Trip Indicators for Frequency, Current, Over Temperature, Door/Cabinet Interlock and Water Pressure. These indicators are located on the front panel for ease of diagnostic control. All systems are also equipped with a full scale Meter Display, which will allow the user to monitor Power Output, Voltage, Frequency and Current.



Heating applications for the LFI/HFI family of power supplies are endless but they can include Brazing, Soldering, Hardening, Annealing, Bonding, Case Hardening, Wire & Cable processing, Getter Firing, Hot Heading/Forming, Shrink Fitting, Catheter Tipping, and Stress Relieving.

For more information visit us on the web: www.rdoinduction.com

INDUCTION HEATING SOLUTIONS

Model LFI Power Supplies

Model	Power Rating	Frequency Range	Main Power	Input Voltage	Cooling Water	Wt.	Dimension
	(kW)	(kHz)	(kVa)	50-60 Hz	(G/min)	(lbs.)	(WxDxH) (inches)
LFI-5	5 kW	35 -100	5.8	220V, 3-Phase	0.5	55	15x24x14
LFI-7.5	7.5 kW	35-100	8.7	220V, 3-Phase	0.5	55	15x24x14
LFI-12.5	12.5kW	35 -100	14.5	220V, 3-Phase	2.0	145	20x15x36
LFI-25	25 kW	35-100	29	220V, 3-Phase	2.0	185	20x15x36
LFI-40	40 kW	35 -100	46	460V, 3-Phase	2.0	185	20x15x36
LFI-100	100 kW	35-100	120	460V, 3-Phase	2.0	420	20x34x62



Model HFI Power Supplies

Model	Power Rating	Frequency Range	Main Power	Input Voltage	Cooling Water	Wt.	Dimension
	(kW)	(kHz)	(kVa)		(G/min)	(lbs.)	(WxDxH) (inches)
HFI-3	3 kW	135 -400	5.8	220V, 1-Phase	air	44	12x21x13
HFI-5	5 kW	135-400	5.7	220V, 3-Phase	0.5	55	15x24x14
HFI-7.5	7.5kW	135 -400	8.7	220V, 3-Phase	0.5	55	15x24x14
HFI-12.5	12.5 kW	135-400	14.5	220V, 3-Phase	2.0	145	20x15x36
HFI-15	15 kW	125-330	17.4	220V, 3-Phase	2.0	145	20x15x36
HFI-25	25 kW	135-400	29	220V, 3-Phase	2.0	185	20x15x36
HFI-30	30 kW	125-330	34.8	220V, 3-Phase	2.0	185	20x15x36
HFI-40	40 kW	135-400	46	460V, 3-Phase	2.0	185	20x15x36
HFI-100	100 kW	135-400	120	460V, 3-Phase	2.0	420	24x36x62

