

EASYHEAT[®] 4.2 to 10 kW Induction Heating Systems



EASYHEAT LI induction heating systems are a reliable, compact solution for heating parts with a quick, clean source of heat. With a movable workhead that can be located up to 3m (10') from the power supply, it is ideal for repeatable, non-contact heating of parts.

Equipped to operate over a broad frequency range (150-400 kHz), EASYHEAT is ideal for heating parts of many geometries and compositions with precise power control within 50 W resolution.

Avoid time-consuming changeovers with agile tuning for single-cycle and continuous heating operations. One system can supply deep, bulk heating for brazing and soldering for more shallow, concentrated heating for case-hardening for smaller parts. Flameless, non-contact induction heating minimizes energy waste by focusing energy only on the part and zone to be heated. Select and monitor power levels from the front panel LCD and sealed touch pad. Remote power control is available for employing contact inputs, analog inputs or optional serial data port. Easily control the length of the heating cycle with a built-in programmable digital timer.

EASYHEAT LI is a water-cooled system, requiring connection to a heat exchanger or other mechanism for dissipating heat.

Versatile

- Efficient heating of many geometries
- Repeatable, reliable heating with agile frequency tuning
- Movable workhead; up to 3m (10')
- Remote serial operation or logging (optional)
- Two 3-language display suites
- Field-calibration capable

Easy-to-Use

- Self-adjusting for accurate, repeatable results
- View set-point, output, frequency and timer
- Built-in timer, stop-watch
- Push-button RF control

Compact and Light

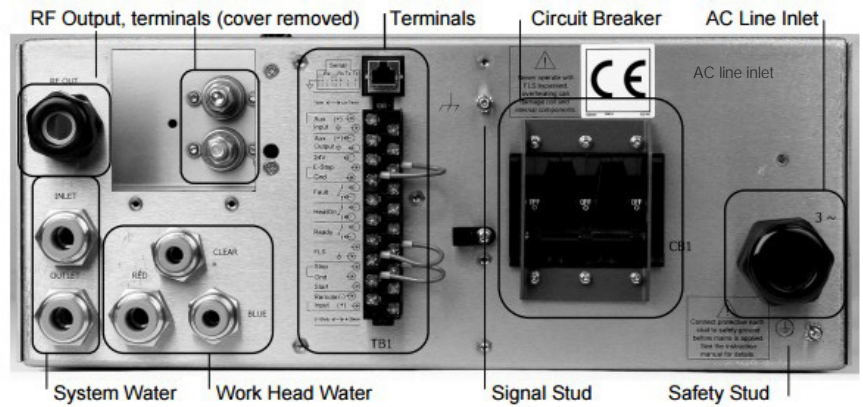
- Smallest feature-rich 10 kW model



EASYHEAT features a front panel programmable controller allowing you to define up to four different heating profiles, each with up to five time/power steps.

OPTIONS AND ACCESSORIES

- Heat exchanger or chiller
- Optical pyrometer (closed-loop temperature control)
- External controller (plc)
- Extended work head cable lengths
- Footswitch
- Serial data interface
- Pendant station
- Start-up assistance



SPECIFICATION	3542	5060	7590	8310	UNITS
RF Terminal Power	4.2	6	9	10 ⁴	KW
AC Line Power	5.2	7.4	11.2	12.4 ⁴	KVA
Internal AC Line Protection ¹	[35] 20	[35] 20	[35] 20	[35] 20	A
Frequency	150-400				KHz
RF Coil Current	300-750				A max
AC Line Voltage ³	[187-230 or 230-264] 370-440 or 440-520				Vac ± 10%, 3Ø
Front Panel Display	2 line x 16 character LCD; displays frequency, power, setpoint, timer and fault descriptions				
Display Language Suite	EN, IT, ES, DE, FR				
Serial Communications	Via RS485 terminal mode				Optional
Timer	Built in; 10ms to 10,000 seconds				
Heating Controller	4 programmable profiles, 5 steps per profile				
RF Rise Time	<5				ms
Tune Time	<5				ms
Compliance	CE & UKCA Marked, 440 models only				
Max Ambient Temp	45 (115)				C° (F°)
Unit Weight	28 (50)				kg (lb)
Dimensions	Unit: 432x610x178 (17x24x7)				WxDxH mm (in)
	Workhead ² : 130x286x146 (5.1x11.3x5.7)				
WATER COOLING (Sys)					
Flow	3.8 (1.0)	5.7 (1.5)			l/m (g/m)
Max Input Pressure	5.6 (80)				Bar (lb/in ²)
Pressure Differential	2.8-5.5 (40-80)				Bar (lb/in ²)
Max Water Temp	35 (95)				C° (F°)

1) Line levels: [230 V] or 440 V 2) System includes workhead 3) Level determined by model; range factory set per order; field selectable
4) De-rates linearly from 10 kW, 12.4 kVA to 205 Vac to 9.1 kW, 11.3 kVA at 187 Vac



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Ambrell Corporation
United States
Tel: +1 585 889 9000
Fax: +1 585 889 4030
sales@ambrell.com

Ambrell B.V.
The Netherlands
Tel: +31 880 150 100
Fax: +31 546 788 154
sales-eu@ambrell.com

Ambrell Ltd.
United Kingdom
Tel: +44 1242 514042
Fax: +31 546 788 154
sales-uk@ambrell.com

