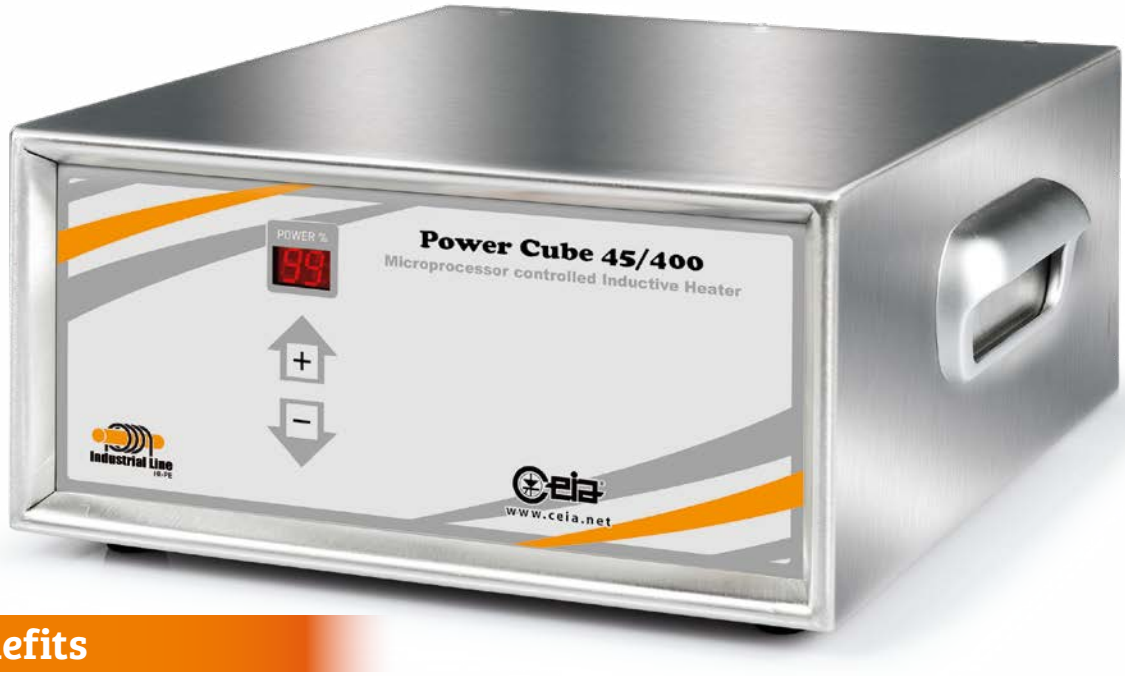
Power Cube® 400 HI-PE series

High Frequency Generators

- **32/400** GENERATOR
- **45/400** GENERATOR

VERY COMPACT AND INTEGRABLE GENERATORS



Features / Benefits

- **DUAL ALTERNATE, HIGH POWER OUTPUT**
- **HIGH LEVEL OF PERFORMANCE** with minimal operating costs
- **COMPACT HEATING HEADS**
- **HIGH SAFETY:** are equipped with isolation transformer from the mains
- **BUILT-IN SELF-DIAGNOSIS**
- Supplied with **CALIBRATION CERTIFICATE**
- **MAINTAINS STABLE AND ACCURATE OUTPUT POWER** even as working conditions change
- **DIGITAL & ANALOG CONTROL** of the output power
- **INTERFACES** with **MASTER CONTROLLER V3+** unit to manage heating cycles (temperature, time and power)
- **COMPLIANT** with Electrical Safety and Electromagnetic Compatibility Regulations

The 400 HI-PE series of High Frequency Generators includes two models with a power rating of 2.8 to 3.5 kW. They combine the miniaturized CEIA Heating Head solution (patented) with a powerful, continuous-duty rated generator with so high efficiency that it can replace traditional generators in applications up to 12kW, thus cutting the initial investment and operating costs.

Heating head HH10 mounted on positioning base ES35 pneumatic.

These compact devices are manufactured using solid-state technology and each has an embedded microprocessor. This guarantees stable power output as well as optimum operating frequency. The microprocessor also performs monitoring and diagnostic functions to inform the user of device status.

The generators have an ideal design for integration into automatic production systems. Space efficiency and simple operation also make these generators perfect for manual applications. All CEIA Power Cube Generators can be **combined with the CEIA Master Controller V3+ unit**.

Each HI-PE Generator is accompanied by a **calibration report that certifies the stability of the output voltage coming from the heating head**. The use of innovative technology and latest-generation components makes the 400 Series Generators extremely advantageous in terms of performance, power output and operational cost.

POWER CUBE		32/400	45/400
POWER SUPPLY AND POWER	Input current	13A max - external conductors ø2.5 min.	16A max - external conductors ø4 min.
	Average power at inductor	32 kVAR	45 kVAR
	Maximum absorbed power	2.8 kW	3.5 kW
	Supply voltage	180 ÷ 260 Vac, monophase - 50/60 Hz	
FREQUENCY RANGE		375 kHz... 575 kHz	
COOLING	Water cooling	Pressure: 300 kPa	
	Water flow for each connected head	From 1.5 to 2 l/min	
CONTROL INPUTS	RS232 serial interface	1 RS232 asynchronous serial port for connection with external PLC or Controller	
	Digital input activator	2 isolated digital inputs for the cycle activation switches	
	Analogue power adjustment input	2 analog inputs for output power control (optional)	
OPERATING CONDITIONS	Operating temperature	40°F to 130°F (+ 5 to + 55°C)	
	Storage temperature	-10°F to 160°F (- 25 to + 70 °C)	
	Relative humidity	20-95% (without condensation)	
DIMENSIONS (WxDxH)	Generator	10.8“ x 10.4“ x 5.5“ (275 x 265 x 140 mm)	10.8“ x 10.4“ x 5.5“ (275 x 265 x 140 mm)
	Heating head HH10/HH11	2.5”x 4.8” x 3.7” (62,5 x 123 x 95 mm)	2.5”x 4.8” x 3.7” (62,5 x 123 x 95 mm)
	Miniaturized heating head HH15	2”x 4.2”x 3” (52 mm x 107 mm x 77 mm)	2”x 4.2”x 3” (52 mm x 107 mm x 77 mm)
	Standard inductor holder	5.9” (150 mm)	5.9” (150 mm)
WEIGHT	Generator	22 lbs (10 kg)	22 lbs (10 kg)
	Heating head	4.5 lbs (2 kg)	4.5 lbs (2 kg)
CONFORMITY	Complies with international standards currently applicable for Electrical Safety (EN 60204-1) and Electromagnetic Compatibility (EN 55011, EN 61000-6-2)		

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