



HIGH-FREQUENCY GENERATORS

► 400 HI-PE series

- 32/400 GENERATOR
- 45/400 GENERATOR

VERY COMPACT AND INTEGRABLE GENERATORS



- Dual Alternate, high Power output
- High level of performance with minimal operating costs
- Compact Heating Heads
- High Safety: all models are equipped with isolation transformer from the mains
- Supplied with Calibration Certificate
- Maintains stable and accurate output power even as working conditions change
- Built-in Self-diagnosis
- Digital and analog control of the output power
- Interfaces with CEIA Master Controller V3+ unit to manage heating cycles [temperature, time and power]
- Compliant with the Regulations on Electrical Safety and Electromagnetic Compatibility



www.ceia.net



The 400 HI-PE Series of High Frequency Generators includes two models with a power rating of 2.8 to 3.5kW. 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.

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. They can even be interfaced with PCs or programmable controllers by Fieldbus interface (Profinet, EtherCAT, EtherNet/IP) analog and RS-232 interfaces. 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.

HEATING HEAD

HEATING HEAD HH10

mounted on positioning base ES35 pneumatic.



* Inductor shown in the picture as example only

SPECIFICATIONS

		POWER CUBE 32/400	POWER CUBE 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)	
	Fieldbus interface	Profinet, EtherCAT, EtherNet/IP (optional) DeviceNet, Profibus, CANopen, CC-Link, CompoNet, ControlNet, Modbus-RTU or TCP, SERCOS III (upon request)	
OPERATING CONDITIONS	Operating temperature	+ 5 °C to + 55 °C	
	Storage temperature	- 25 °C to + 70 °C	
	Relative humidity	20-95% (without condensation)	
DIMENSIONS (WxDxH)	Generator	275 mm x 265 mm x 140 mm	275 mm x 265 mm x 140 mm
	Heating head HH10/HH11	62,5 mm x 123 mm x 95 mm	62,5 mm x 123 mm x 95 mm
	Miniaturized heating head HH15	52 mm x 107 mm x 77 mm	52 mm x 107 mm x 77 mm
	Standard inductor holder	150 mm	150 mm
WEIGHT	Generator	10 kg	10 kg
	Heating head	2 kg	2 kg
CONFORMITY	Complies with international standards currently applicable for Electrical Safety (EN 60204-1, EN 60519-1, EN 60519-3) and Electromagnetic Compatibility (EN 55011, EN 61000-6-2)		



Zona Industriale 54/G, 52041 Vicinomagno - Arezzo [ITALY]

Tel. +39 0575-4181 • Fax +39 0575-418287 • E-mail: powercube@ceia-spa.com

www.ceia.net

autorisierter Vertriebspartner für Deutschland

ATN Automatisierungstechnik
Niemeier GmbH

Segelfliegerdamm 94-98
D-12487 Berlin, Germany

Tel.: ++49 30 565 9095-0
Fax: ++49 30 565 9095-60



mail: info@atn-berlin.de
web: www.atn-berlin.de

