



# MEDIUM FREQUENCY GENERATORS

## ► 50 SERIES



- POWER CUBE 90/50
- POWER CUBE 180/50



- POWER CUBE 360/50



- POWER CUBE 720/50

## FEATURES / BENEFITS

- High Power output
- High level of performance with minimal operating costs
- Compact and integrable Heating Heads
- High Safety: all models output isolated from the mains
- Continuous generation
- Built-in Self-diagnosis
- Constant, repeatable power generation via microprocessor control
- Highly integrated with a small footprint
- State-of-the-art electronics
- 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



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CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale.



## 50 SERIES

### MEDIUM FREQUENCY GENERATORS

The 50 series is the State-of-the-Art in Medium Frequency Generators available in the market. This family 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 double input power, thus cutting the initial investment and operating costs.

All the devices are solid-state technology manufactured and they are characterized by extremely compact dimensions; an embedded microprocessor, besides to carry out a complete monitoring on the operating status of the devices and to give information on possible technical failures, guarantees the stabilization of the power output and the optimum operating frequency.

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 via their analog and RS-232 interfaces.

The use of innovative technology and latest-generation components places the 50 series generators in a class of their own in terms of performance, power output and operational cost.



HEATING HEAD HH13 FOR POWER CUBE 90/50 AND 180/50



HEATING HEAD HH14 FOR POWER CUBE 360/50



HEATING HEAD HH16 FOR POWER CUBE 720/50

\* Inductors shown in the pictures as example only

		POWER CUBE			
		90/50	180/50	360/50	720/50
INPUT / OUTPUT	Maximum absorbed power	6.0 kW	12.0 kW	24.0 kW	48.0 kW
	Average output power at inductor	90 kVAR	180 kVAR	360 kVAR	720 kVAR
	Supply Voltage	400 Vac $\pm$ 10% 3~ 50/60 Hz			
	Water cooling	Pressure: 300 kPa - Flow: 1.5 l/min		Pressure: 300 kPa Flow: 2.0 l/min	Pressure: 300 kPa Flow: 3.0 l/min
OPERATING CONDITIONS	Operating temperature	+ 5 to + 55 °C			
	Storage temperature	- 25 to + 70 °C			
	Relative humidity	0 ÷ 95 % (without condensation)			
FREQUENCY RANGE	30 kHz... 60 kHz				
DIMENSIONS (WxDxH)	Generator	195 mm x 304 mm x 426 mm		490 mm x 496 mm x 768 mm	600 mm x 650 mm x 1280 mm
	Heating head	120 mm x 200 mm x 275 mm (HH13)		177 mm x 234 x 332 mm (HH14)	187 mm x 385 mm x 254 mm (HH16)
	Standard Inductor holder	65 mm			
WEIGHT	Generator	21 kg		90 kg	190 kg
	Heating head	12 kg		18,5 kg	37 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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