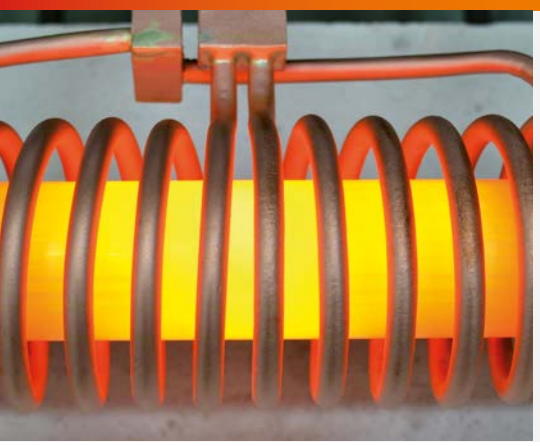

Power Cube® 50 series

Medium Frequency Generators

- 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 & 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 **MASTER CONTROLLER V3+** unit to manage heating cycles (temperature, time and power)
- **COMPLIANT** with Electrical Safety and Electromagnetic Compatibility Regulations

CEIA® USA

www.ceia-usa.com

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.

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 ±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	40°F to 130°F (+ 5 to + 55°C)			
	Storage temperature	-10°F to 160°F (- 25 to + 70 °C)			
	Relative humidity	0 ÷ 95 % (without condensation)			
FREQUENCY RANGE		30 kHz... 60 kHz			
DIMENSIONS (WxDxH)	Generator	7.7" x 12.0" x 16.8"		19.3" x 19.5" x 30.2"	23.6" x 25.6" x 50.4"
	Heating head	4.7" x 7.9" x 10.8" (HH13)		7.0" x 9.2" x 13.0" (HH14)	7.4" x 15.1" x 10.0" (HH16)
	Standard Inductor holder	5.9"			
WEIGHT	Generator	46 lbs (21 kg)		198 lbs (90 kg)	419 lbs (190 kg)
	Heating head	26 lbs (12 kg)		40 lbs (18.5 kg)	81 lbs (37 kg)
CONFORMITY	Complies with international standards currently applicable for Electrical Safety (EN 60204-1) and Electromagnetic Compatibility (EN 55011, EN 61000-6-2)				

HEATING HEAD	HH13	HH14	HH16
			
	for Power Cube 90/50 and 180/50	*for Power Cube 360/50*	*for Power Cube 720/50*

Inductors shown in the pictures as example only

CEIA USA Ltd - 6336 Hudson Crossing Parkway, Hudson OH - 44236
P 330-405 3190 • **F** 330-405 3196 • **E** induction@ceia-usa.com

www.ceia-usa.com