



# Power Cube® 200 series

## Medium-High Frequency Generators



- ▶ POWER CUBE 90/200
- ▶ POWER CUBE 180/200



- ▶ POWER CUBE 360/200



- ▶ POWER CUBE 720/200

### 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



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**The 200 series is the state-of-the-art in medium-high 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.


**The 90-180-360-720/200 Power Cube generators** are complementary to the CEIA family of medium-frequency heaters, being perfectly suited to applications that require very rapid and localized heating. 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 **200 series generators in a class of their own in terms of performance, power output and operational cost.**

POWER CUBE		90/200	180/200	360/200	720/200
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	150 kHz... 220 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 8" x 6.7" (HH17) - 3.1" x 4.7" x 7.8" (HH17C)		4.7" x 8.4" x 7.9" (HH18)	4.7" x 10.8" x 7.9" (HH19)
	Standard Inductor holder	5.9"			
WEIGHT	Generator	46 lbs (21 kg)		198 lbs (90 kg)	419 lbs (190 kg)
	Heating head	18 lbs (8.4 kg)		23 lbs (10.5 kg)	44 lbs (20 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	HH17C	HH18	HH19
<p><i>Inductors shown in the pictures as example only</i></p>	 <p><i>for Power Cube 90/200 and 180/200</i></p>	 <p><i>for Power Cube 360/200</i></p>	 <p><i>for Power Cube 720/200</i></p>

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