



Chill Pack Air Conditioning Module Regulate (Don't Speculate) Your Cabinet Temperature



**Chill Pack “CP” Air Conditioning Module
Ideal for Life Science, Machine Vision, and Medical Applications**

CHILLER MODULE FEATURES

K-O Concepts Model CP-10

- **Designed for Enclosure Cooling**

The CP air conditioner is intended to maintain tight temperature tolerances inside electronic, life science (including medical), & machine vision enclosures.

- **Air Conditioned 19 Inch Rack Style Cabinets**

K-O Concepts CP air conditioners remove waste heat from rack style or similar cabinets. CP air conditioners maintain specific air temperatures from 5-24°C (41-75°F).

- **Accurate Temperature Control**

K-O Concepts uses the latest in refrigeration technology to maintain a specific set temperature to within $\pm 0.5^{\circ}\text{C}$.

- **Easily Integrated**

The CP air conditioner weighs only 48 lbs. / 12.2 kg . The OEM air conditioner is designed with rack mounting “keyhole” slots to easily install onto your equipment.

- **RoHS Compliant**

Each component used in the CP air conditioners is certified RoHS compliant (including the custom sheet metal components and finishes).

- **CFC Free Refrigerant**

The CP air conditioner uses environmentally friendly R134a (HFC-134a) refrigerant. Units using this refrigerant can be sold into Europe and Asia. This is the same refrigerant used in all new automobiles.

Chiller Module Specifications & Options

K-O Concepts Model CP-10

K-O Concepts Inc. Chiller Model Numbers	Model CP-10 / 115: 115 VAC, 1Ø, 60 Hz Model CP-10 / 220: 220 VAC, 1Ø, 50 Hz
Cooling Capacity 115 VAC, 60 Hz Model	380 watts / 1,300 BTU typical capacity w/ 24°C return air 250 watts / 850 BTU typical capacity w/ 11°C return air
Cooling Capacity 220 VAC, 50 Hz Model	290 watts / 1,000 BTU typical capacity w/ 24°C return air 190 watts / 650 BTU typical capacity w/ 11°C return air
Cooling Application	Designed to cool waste heat from an electronics cabinet. i.e. rack-mount or similar style cabinet.
Environment	Indoor operation only with unrestricted ambient air from 18-32°C w/ relative humidity from 10-90% (non-condensing).
Temperature Controller	Proportional heater controller w/ 250 watt heater to buck air conditioner output.
Temperature Stability	±0.5°C (typical) w/ thermistor type sensor located in return air stream.
Heat Dissipation	To air (air-cooled)
Condenser Fan	AC Axial Type: 70 CFM @ 0.12 inches static pressure (typical).
Evaporator Fan	AC Axial Type: 70 CFM @ 0.12 inches static pressure (typical).
Compressor Type	Hermetic
Refrigerant Type	R134a (CFC Free)
Refrigerant Charge	7.0 oz.
Input Voltage & Frequency Requirements	Model CP-10 / 115: 115 VAC, 1Ø, 60 Hz Model CP-10 / 220: 220 VAC, 1Ø, 50 Hz
Current Draw	Model CP-10 / 115: 3.6 A @ 60 Hz (Typical) Model CP-10 / 220: 2.0 A @ 50 Hz (Typical)
Circuit Breaker	Model CP-10 / 115: 10 A @ 250 VAC (double pole) Model CP-10 / 220: 5 A @ 250 VAC (double pole)
AC Power Inlet	IEC 60320 compatible
Air Filter	Cleanable aluminum mesh filter installed and spare filter shipped with unit. Powder coated for easy cleaning and longevity.
Finish	Internal: Nickel-plated for corrosion resistance and electrical conductivity. Designed to minimize radiated EMI. External: Attractive powder coat finish for maximum durability.
Dimensions (H x W x D)	14.6 x 15.0 x 9.4 inches
Dry Weight	48.0 lbs / 12.2 kg

Notes:

- * Data shown is with 15-30°C / 59-86°F (unrestricted) ambient air.
- * Call for cooling capacities @ return air temperatures other than those listed.
- * Specifications are subject to change without notice.

