



AHP-470CP

Cold/Hot Plate

Air Cooled

General Purpose 24 VDC
High Efficiency
105 Watts

FEATURES

- Flat aluminum plate (8" x 4.70") [203 x 119]
- Standard 6-32X.25 UNC threads
- Compact (only 10" x 5.76" x 4.45") [254 x 146 x 113]
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fan
- Environmentally safe
- No compressor, fluorocarbons or filters
- Cools and heats via reverse polarity
- Virtually maintenance-free operation
- Pivot clean
- Weight 7 LBS. (3.2 KG)



INCLUDES

- Mounting gasket
- Mounting hardware
- Power input leads

OPTIONS

- Custom cold plate threads and/or inserts
- Flat plate without holes or threads
- Stainless steel exterior fan shroud and housing
- Custom fans: Quiet, Speed Control, Waterproof
- Use with TC-3400, TC-3500 and TC-4600 controls

PERFORMANCE RATINGS

Cooling	105 WATTS
Cooling COP	0.84
Heating	> 125 Watts

SPECIFICATIONS

MODEL	PART NUMBER	NOTES	PERFORMANCE RATING WATTS	VOLTAGE VDC	CURRENT AMPS.	TEMP. CONTROL	OPERATING AMBIENT °C
AHP-470CPHC	1-F095-1-001	Heat/Cool	105	24	5.2	None	-10/+60
AHP-470CPHC	1-F094-1-001	Heat/Cool	105	12	10	None	-10/+60

Heat function via reverse polarity (requires controller with H-Bridge)

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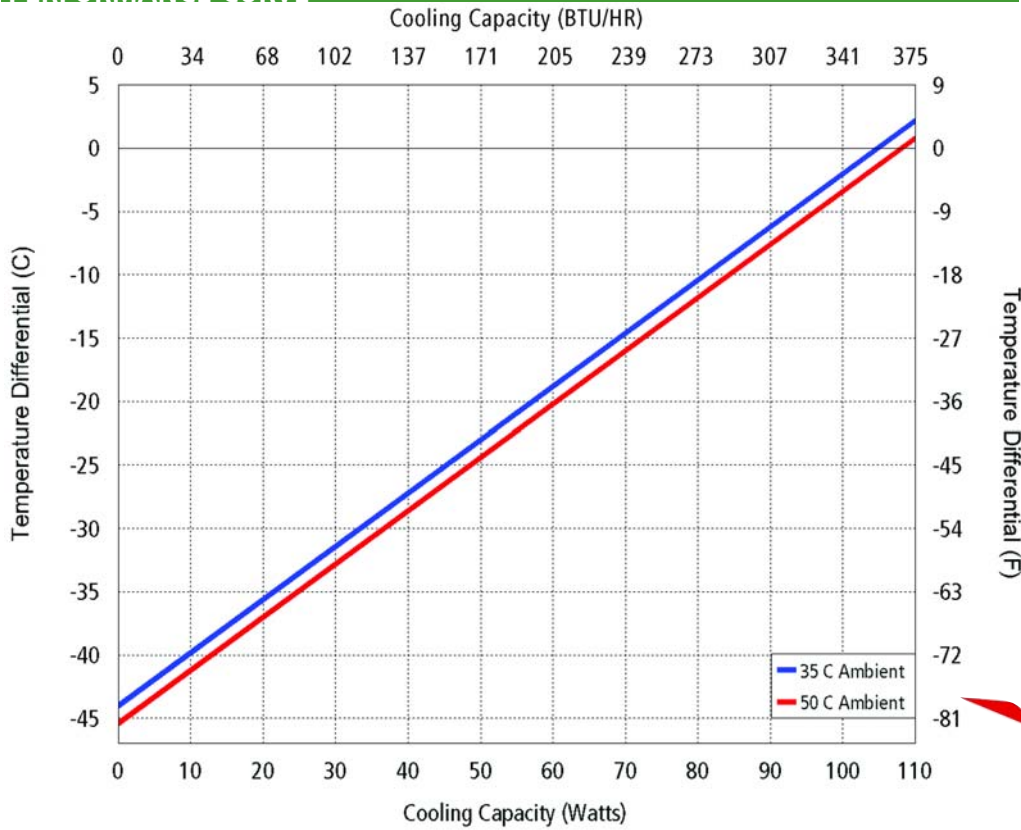
ENVIRONMENTS

Bench Top, Factory, Industrial, OEM

COOLING CAPACITY

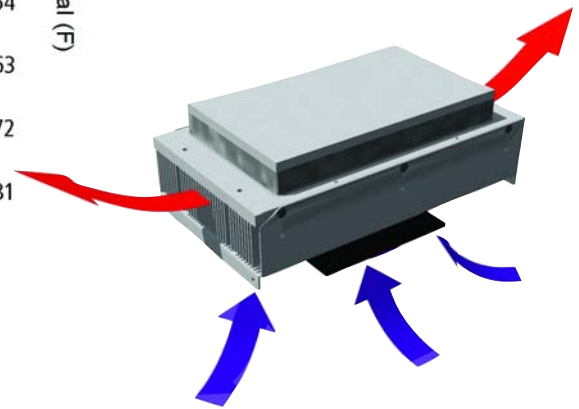
105 Watts @ 0 °C ΔT

PERFORMANCE CURVE



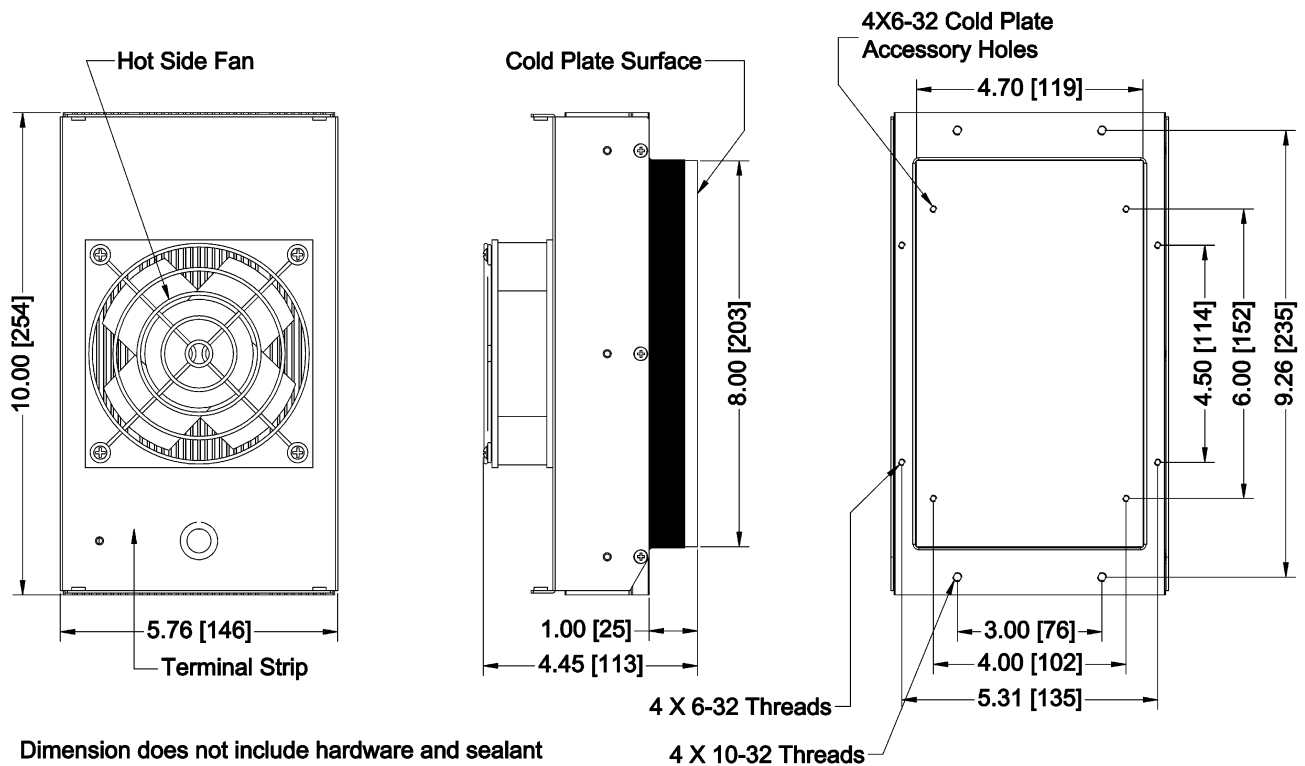
Equation of Line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	35°C	50°C
Cold Plate	$y = 0.42x - 44$	$y = 0.42x - 45.4$

Temperature Differential (F)



Air Flow Pattern

DIMENSIONS



Dimension does not include hardware and sealant
Hardware and gasket included but not shown
Dimensions: Inches [Millimeters]