

# AHP-1200CPV

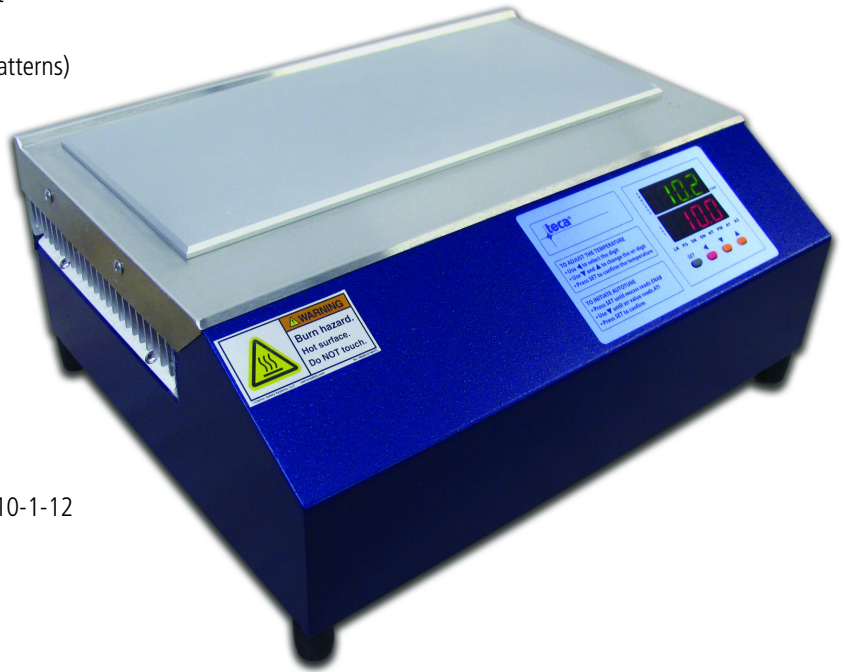
# Versatile Cold/Hot Plate

Air Cooled  
Bench Top

Input: 100-240 VAC, 24 VDC; Max. Power: 600 Watts, (660 Watts AHP-1200CAS)  
Cooling Capacity: 230 Watts

## FEATURES

- Cools and heats (-20 °C to 90 °C & 120 °C), at 25 °C ambient
- Precision machined anodized aluminum cold plate surface
- Stainless steel threaded inserts available (standard & custom patterns)
- Easy to clean stainless steel apron
- Integral PWM temperature controller
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- PWM controlled fan for quieter operation
- Weighs less than 30 lbs. (13.6 kg)
- Operating ambient temperature range of 0 °C to 50 °C
- Compact bench top unit, 11.2" X 15.1" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Many accessories available
- IEC 61010-2-010, IEC 61010-1, UL 61010-1, CSA C22.2#61010-1-12
- FCC 47CFR Part 15 Subpart B, EN 61326-1\*BEI



## CONTROL FEATURES

- Integral "tunable" PWM temperature control
- PWM, Bi-directional temperature control
- Manually set or autotune for best PID values
- 4 Programable temperature zones with 4 independent PID settings
- Multi-segment ramp/soak programs with loops
- Internal RTD sensor, built into the cold plate
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB communication with easy to use software
- Labview VI examples available



## SPECIFICATIONS

MODEL	PART NUMBER	COLD PLATE SURFACE	VOLTAGE VAC 50/60 Hz (VDC)	CURRENT DRAW AMPS.	COLD PLATE TEMPERATURE Range °C
AHP-1200CPV	9-35KB-1-0A0	Smooth	100-240	6.0-2.5	-20 / +90
AHP-1200CPV	9-35KB-1-TAP	6-32 Inserts	100-240	6.0-2.5	-20 / +90
AHP-1200CPV	9-35KB-1-MET	M3 Inserts	100-240	6.0-2.5	-20 / +90
AHP-1200CPV	9-35K5-1-0A0	Smooth	(24)	17	-20 / +90
AHP-1200CPV	9-35K5-1-TAP	6-32 Inserts	(24)	17	-20 / +90
AHP-1200CPV	9-35K5-1-MET	M3 Inserts	(24)	17	-20 / +90
ERGO-900†	9-35KB-1-ERG	Smooth	100-240	3.5-1.5	-5 / +50
AHP-1200MSP††	9-35KB-1-MSP	6-32 Inserts	100-240	6.0-2.5	-5 / +50
AHP-1200CPV	9-35KB-6-0A0	Smooth	100-240	6.0-2.5	-20 / +120
AHP-1200CPV	9-35KB-6-TAP	6-32 Inserts	100-240	6.0-2.5	-20 / +120
AHP-1200CPV	9-35KB-6-MET	M3 Inserts	100-240	6.0-2.5	-20 / +120
AHP-1200CPV	9-35K5-6-0A0	Smooth	(24)	17	-20 / +120
AHP-1200CPV	9-35K5-6-TAP	6-32 Inserts	(24)	17	-20 / +120
AHP-1200CPV	9-35K5-6-MET	M3 Inserts	(24)	17	-20 / +120
AHP-1200CAS**	9-35KB-1-CAS**	6-32 Inserts	100-240	6.6-2.7	-20 / +90
AHP-1200CAS**	9-35KB-6-CAS**	6-32 Inserts	100-240	6.6-2.7	-20 / +120

\*\* This part number is ready for use with a low temperature cascade option and includes CH-1200 hinged cover, CC-1200 rear panel for cascade power up and control, refer to AHP-1200CAS data sheet for more information

† For full specification see ERGO-900 data sheet

†† For full specification see AHP-1200MSP data sheet

Many options and accessories available, see accessory pages

TECA

1-888-TECA-USA (832-2872)

www.thermoelectric.com

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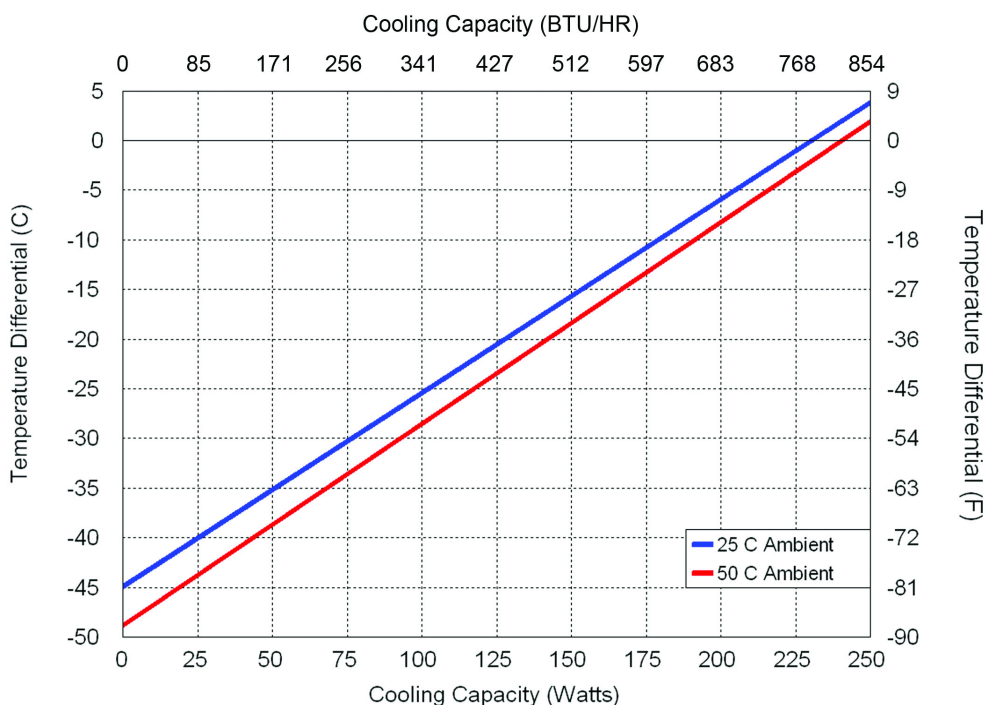
## ENVIRONMENTS

- Bench top
- Laboratory
- Industrial

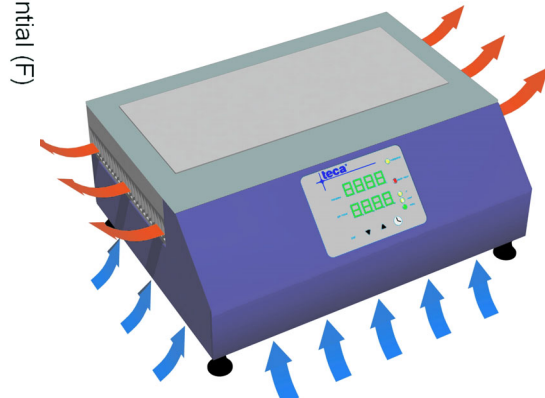
## COOLING CAPACITY

230 - 240 Watts @ 0 °C ΔT

## PERFORMANCE CURVE

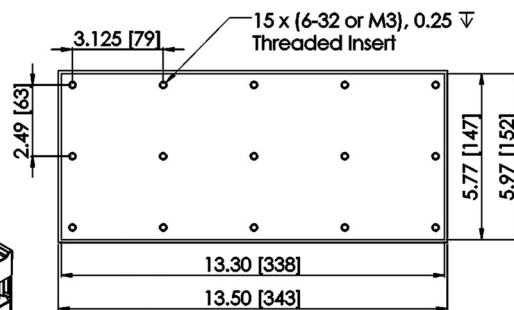
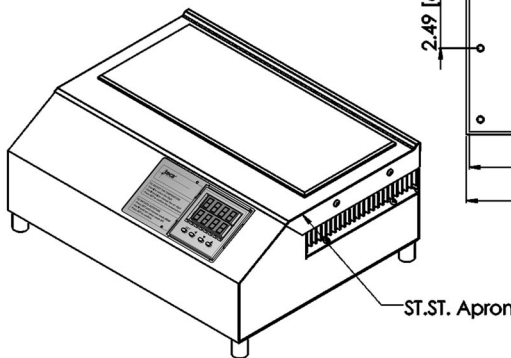
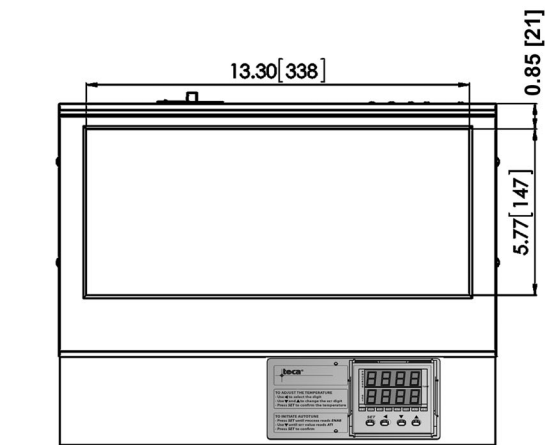


Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	25°C	50°C
	$y = .195x - 44.9$	$y = .203x - 48.8$

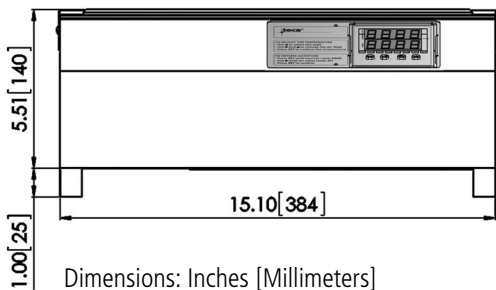


Ambient Air Path

## DIMENSIONS



Standard Insert Pattern



Dimensions: Inches [Millimeters]

