

AHP-1200DCP

Dual Temperature Zone Plate

Air Cooled
Bench Top

100-240 VAC Input
400 Watts

FEATURES

- Cools and heats two plates independently (-10 °C to 90 °C)*
- Two precision machined aluminum plate surfaces
- Each plate is 13.3" [338 mm] x 6.3" [162 mm]
- Easy to clean stainless steel apron
- Two integral PWM temperature controllers
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- PWM speed controlled fan for quieter operation
- Weighs less than 50 lbs. (22.7 kg)
- Operating ambient temperature range of (0 °C to 50 °C)
- Compact bench top unit, 19.2" X 15.2" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Accessory enclosures and barriers available



CONTROL FEATURES

- Two integral "tunable" temperature controllers
- Pulse Width Modulating (PWM), bi-directional temperature control
- Manually set or autotune PID values for best control
- 4 Programmable temperature zones with 4 independent PID settings
- Multi-segment ramp/soak programs with loops
- Internal RTD sensor, built into each plate
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB communication with easy to use software
- Labview VI examples available

SPECIFICATIONS

MODEL	PART NUMBER	NOTES	PLATE CONFIGURATION	PERFORMANCE RATING BTU/HR	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.	WEIGHT LBS. (KG)	OPERATING AMBIENT °C
AHP-1200DCP	9-34KB-1-0A1	Heat/Cool	Smooth Surface	670-800	100-240	2.5-5.0	50 (22.7)	0-40
AHP-1200DCP	9-34KB-1-TA1	Heat/Cool	6-32 Tap Pattern	670-800	100-240	2.5-5.0	50 (22.7)	0-40
AHP-1200DCP	9-34KB-1-ME1	Heat/Cool	M3 Tap Pattern	670-800	100-240	2.5-5.0	50 (22.7)	0-40

For custom threaded inserts and hole patterns contact TECA

Many options and accessories available, see accessory pages

*Under the right condition

AHP-1200DCP

ENVIRONMENTS

- Bench top
- Laboratory
- Industrial

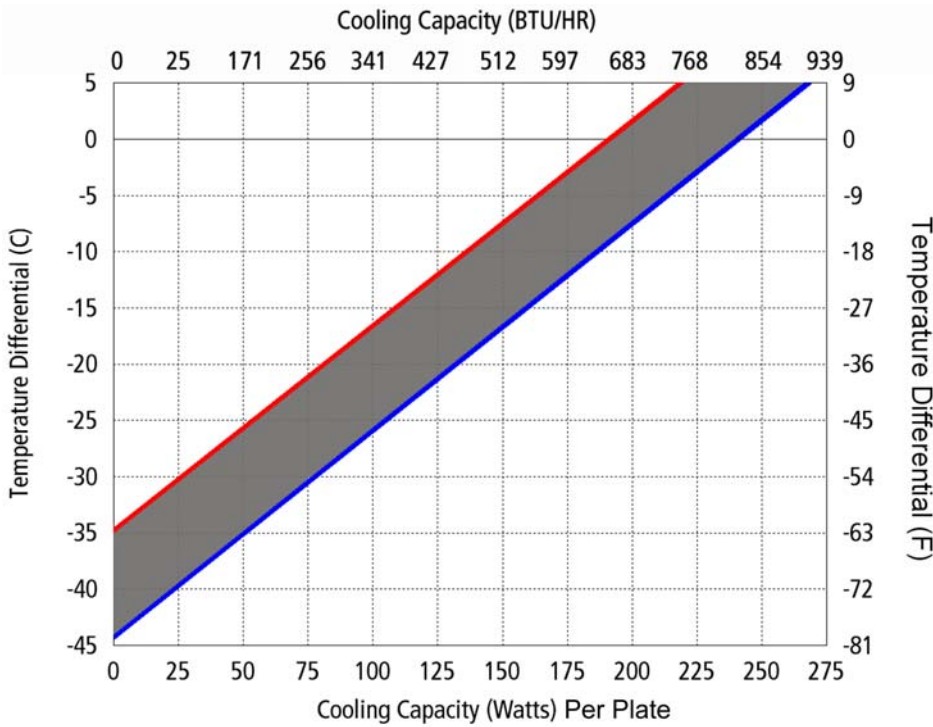
COOLING CAPACITY (individual plate)

200 - 240 Watts @ 0 °C ΔT

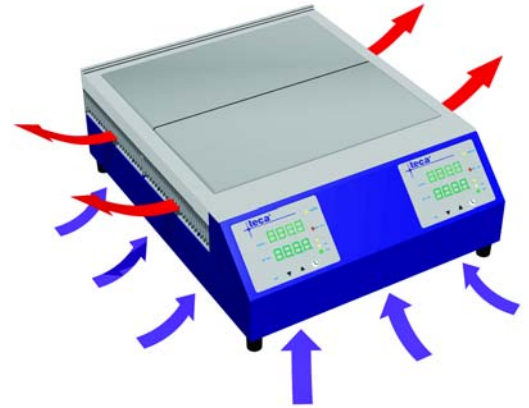
COOLING CAPACITY (combined)

400 - 480 Watts @ 0 °C ΔT

PERFORMANCE CURVE



Performance varies with cold plate temperature differential. Performance curve is for one cold plate at an ambient of 25 °C. Performance of one cold plate will vary with the temperature of the other cold plate.



Ambient Air Path

DIMENSIONS

