

AHP-401 Air Conditioner

Air Cooled
Through Mounted
Nema-12

120 VAC or 240 VAC
220 BTU/HR



FEATURES

- Compact (only 10" X 5.84" X 7.75")
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Suitable for NEMA-12 (IP 52) environment
- Easy to use Pivot Clean feature
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 16 LBS.

CONTROL TEMPERATURES

Active Cooling (TC-1F, TC-3F)	35 °C
Active Heating (TC-3F)	10 °C
Typical Hysteresis	5 °C
Operating Ambient	-40/+70 °C
Operating Enclosure	-10/+60 °C

POWER INPUTS

Voltage	120 or 240 VAC
Current, Active	1.2 / 0.65 AMPS

PERFORMANCE RATINGS

Cooling (Traditional)	220 BTU/HR
Cooling (Din 3168)	65 WATTS
Cooling COP (at L35 L35)	0.45

INCLUDES

- Temperature controller
- Mounting gasket
- Mounting hardware
- Integral power input cord

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	VOLTAGE VAC	CURRENT AMPS	TEMPERATURE CONTROL
AHP-401	0-F090-0-001	Cool only	120	1.2	None
AHP-401	0-F0F0-0-001	Cool only	120	1.2	TC-1F
AHP-401	0-F050-0-001	Cool only	120	1.2	EXT*
AHP-401HC	0-F030-1-001	Heat/Cool	120	1.2	TC-3F
AHP-402	0-F092-0-001	Cool only	240	0.65	None
AHP-402	0-F0F2-0-001	Cool only	240	0.65	TC-1F
AHP-402	0-F052-0-001	Cool only	240	0.65	EXT*
AHP-402HC	0-F032-1-001	Heat/Cool	240	0.65	TC-3F

* Unit is set for 5-32 VDC external signal; relay(s) included

AHP-401

MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

RATING (TRADITIONAL)

220 BTU/hr @ 0 °F ΔT

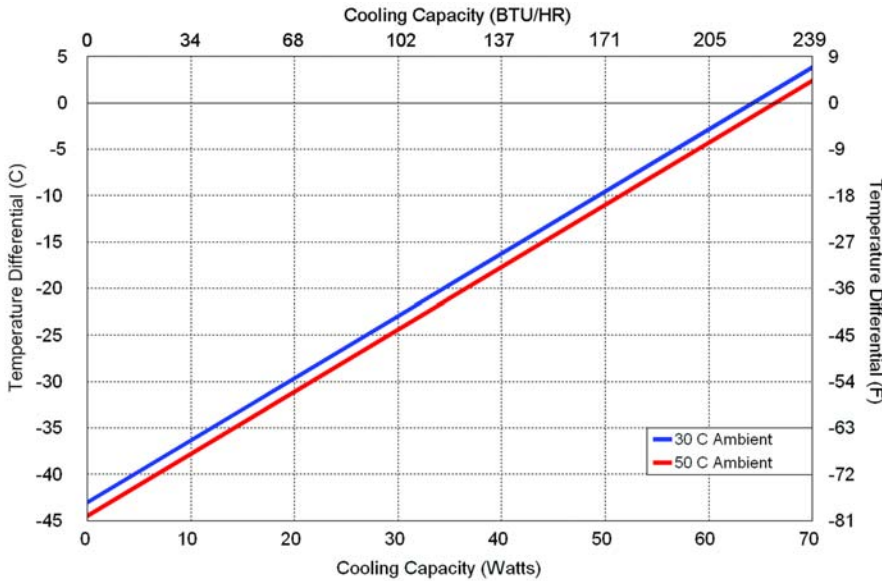
275 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

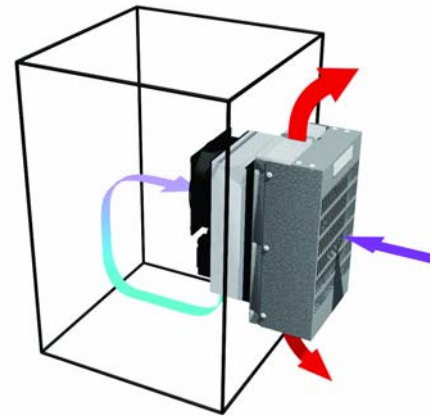
65 Watts L35 L35

45 Watts L35 L50

PERFORMANCE CURVE

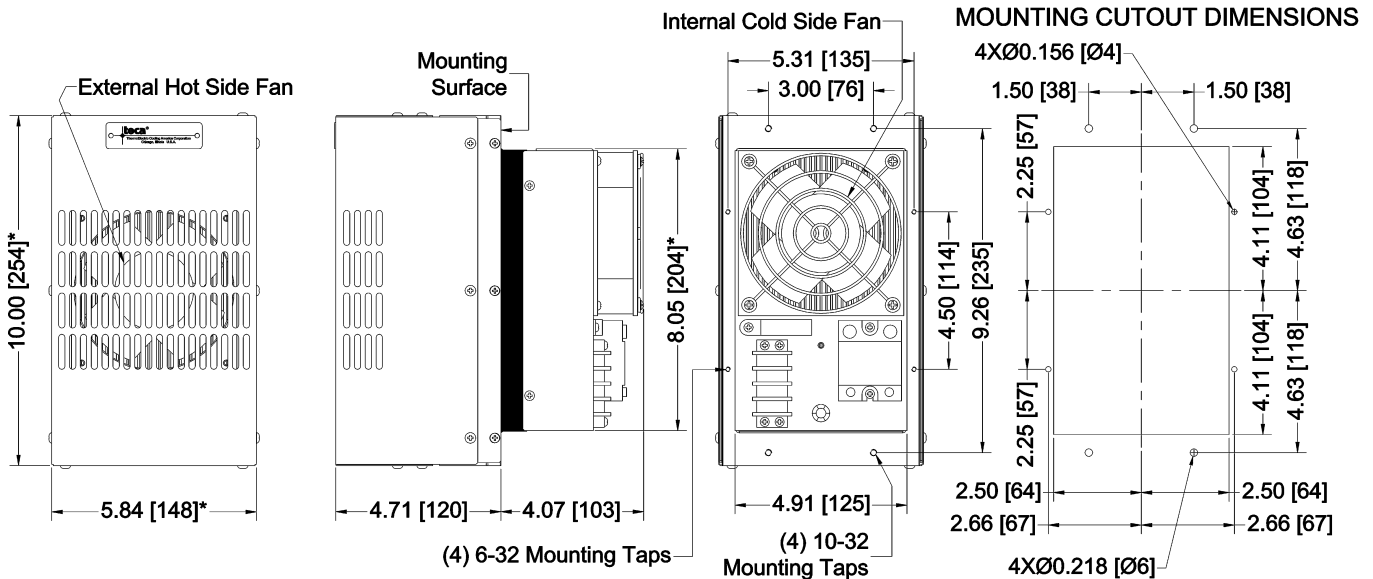


Equation of Line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	30°C	50°C
Enclosure Air	$y = .67x - 43$	$y = .67x - 44.5$



Air Flow Pattern

DIMENSIONS



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