

# AHP-1501 Air Conditioner

Air Cooled  
Through Mounted  
NEMA-4/4X

120/240 VAC Input  
1000 BTU/HR



## FEATURES

- Mounts in multi-unit array for incremental capacity
- Dual voltage 120/240 VAC
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance-free operation
- Environmentally friendly and safe
- No compressor, fluorocarbons or filters
- Stainless steel exterior housing
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Agency approvals: UL 1995, CSA 22.2, CE
- Weight 52 LBS.

## POWER INPUTS

Voltage	120/240 VAC
Current	8.0/5.0 AMPS

## PERFORMANCE RATINGS

Cooling (Traditional)	1000 BTU/HR
Cooling (Din 3168)	300 WATTS
Cooling COP (at L35 L35)	0.31
Heating (Traditional)	< 2000 BTU/HR
Heating (Din 3168)	< 600 WATTS

## CONTROL TEMPERATURES

Temp. Control	Active Heat °C	ECO-Mode °C	Active Cool °C
TC-1F	-	-	35
TC-6F	-	-	25 or 35
TC-3F	10	-	35

## INCLUDES

- Temperature controller
- Mounting gasket
- Mounting hardware
- Power input leads



250 VDC configuration for crane applications available

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1501XE	0-2181-4-000	Cool only	TC-6F	NEMA-4/4X, IP 56
AHP-1501XE	0-21F1-4-000	Cool only	TC-1F	NEMA-4/4X, IP 56
AHP-1501XE	0-2151-4-000	Cool only	EXT*	NEMA-4/4X, IP 56
AHP-1501XEHC	0-2131-5-000	Heat/Cool	TC-3F	NEMA-4/4X, IP 56
AHP-1501XEHC	0-2131-5-000	Heat/Cool	EXT*	NEMA-4/4X, IP 56

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

# AHP-1501

## MOUNTING STYLE

Through Mounted

## ENVIRONMENTS SERVED

NEMA-4/4X IP 56

## RATING (TRADITIONAL)

1000 BTU/hr @ 0 °F ΔT

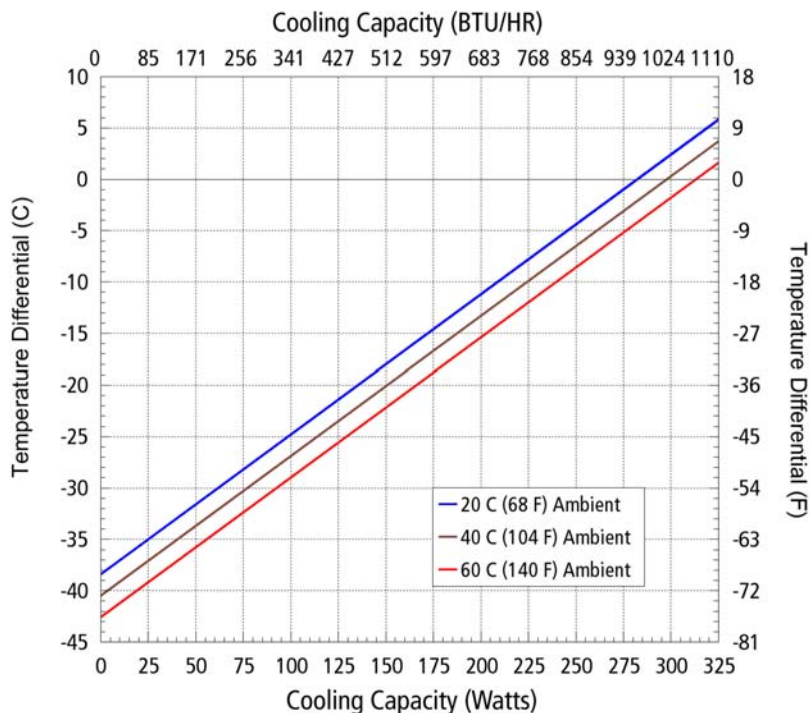
1300 BTU/hr @ +20 °F ΔT

## RATING (DIN 3168)

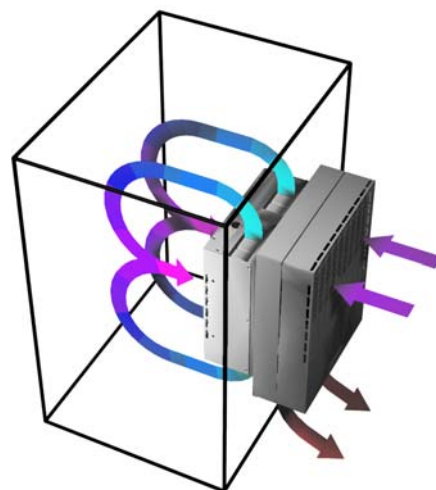
300 Watts L35 L35

187 Watts L35 L50

## PERFORMANCE CURVE

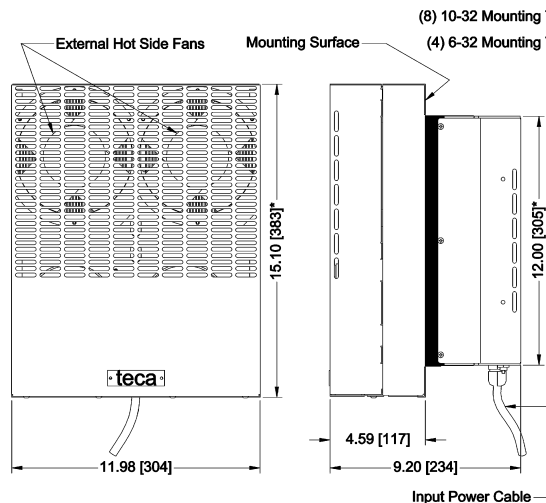


Equation of line: $y = \Delta T(^{\circ}C) \quad x = \text{Capacity (Watts)}$			
Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .136x - 38.4$	$y = .136x - 40.5$	$y = .136x - 42.6$
Cold Sink	$y = .10x - 38.4$	$y = .10x - 40.5$	$y = .10x - 42.6$

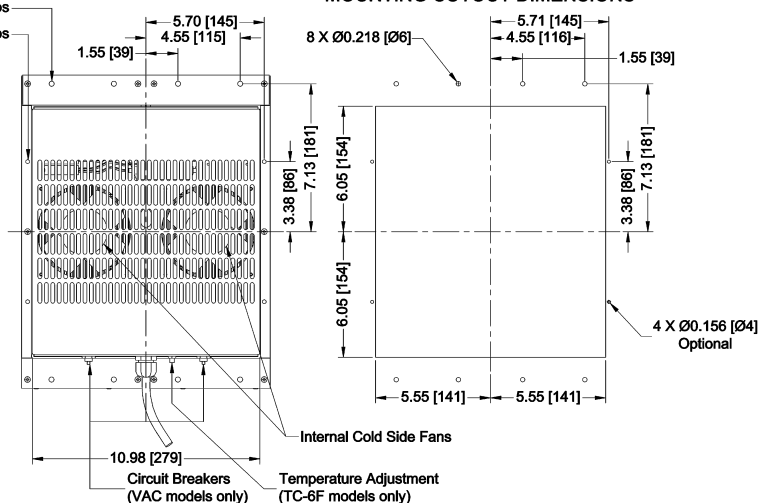


Air Flow Pattern

## AHP-1501 DIMENSIONS



## MOUNTING CUTOUT DIMENSIONS



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