

AHP-1501 Solid-State Air Conditioner

Air Cooled
Thru Mount
Nema-12 & Nema-4/4X

FEATURES

- Compact
- Mounts in multi-unit array for incremental capacity
- Dual voltage 120/240 VAC
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing

INCLUDES

- Temperature control
- Mounting gasket and hardware
- Power input line cord
- Condensate removal system including drip pan

APPLICATIONS

Used to cool electronic enclosures in high humidity and elsewhere.



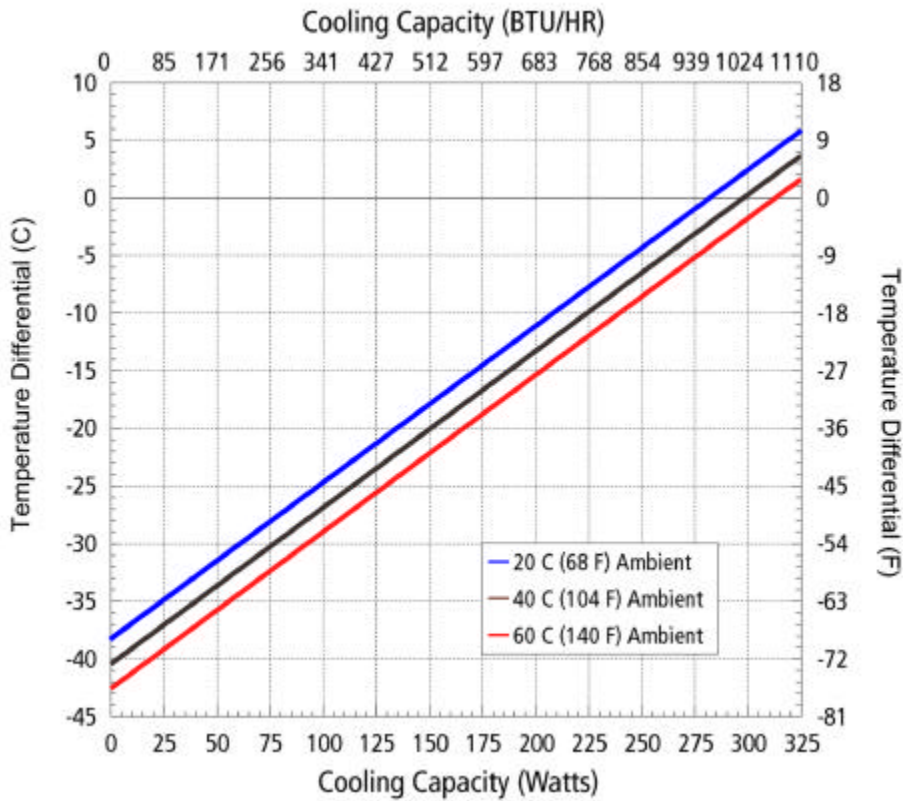
SPECIFICATIONS

	MODEL	PART NUMBER	NOTES	PERFORMANCE RATING BTU/HR	VOLTAGE VAC 50/60HZ	CURRENT AMPS.	WEIGHT LBS.(KG)	TEMP. CONTROL	OPERATING AMBIENT °C	CONDENSATE REMOVAL	AGENCY APPROVALS (ETL)
NEMA 12	AHP-1501	0-2171-0-000	Cool Only	1000-1100	120/240	7.5/5.0	52(24)	30 °C	-10/+70	Wick,Drip Pan	UL1995/CSA22.2, CE
	AHP-1501	0-2181-0-000	Cool Only	1000-1100	120/240	7.5/5.0	52(24)	TC-6F	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501	0-2151-0-000	Cool Only	1000-1100	120/240	7.5/5.0	52(24)	OPT*	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501HC	0-2131-1-000	Heat/Cool	1000-1100	120/240	7.5/5.0	52(24)	TC-3F	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501HC	0-2151-1-000	Heat/Cool	1000-1100	120/240	7.5/5.0	52(24)	OPT*	-10/+70	Wick	UL1995/CSA22.2, CE
NEMA 4X	AHP-1501XE	0-2181-4-000	Cool Only	1000-1100	120/240	7.5/5.0	52(24)	TC-6F	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501XE	0-2151-4-000	Cool Only	1000-1100	120/240	7.5/5.0	52(24)	OPT*	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501XEHC	0-2131-5-000	Heat/Cool	1000-1100	120/240	7.5/5.0	52(24)	TC-3F	-10/+70	Wick	UL1995/CSA22.2, CE
	AHP-1501XEHC	0-2151-5-000	Heat/Cool	1000-1100	120/240	7.5/5.0	52(24)	OPT*	-10/+70	Wick	UL1995/CSA22.2, CE

*OPT; Unit is set up for TC-3300 Controller (or similar)

AHP-1501

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	$y = .10x - 38.4$	$y = .10x - 40.5$	$y = .10x - 42.6$

MOUNTING STYLE

Thru Mount

ENVIRONMENTS

Nema-12 IP 40 (maintains IP 52)

Nema-4/4X IP 56

RATING (TRADITIONAL)

1000 BTU/hr @ 0 °F ΔT

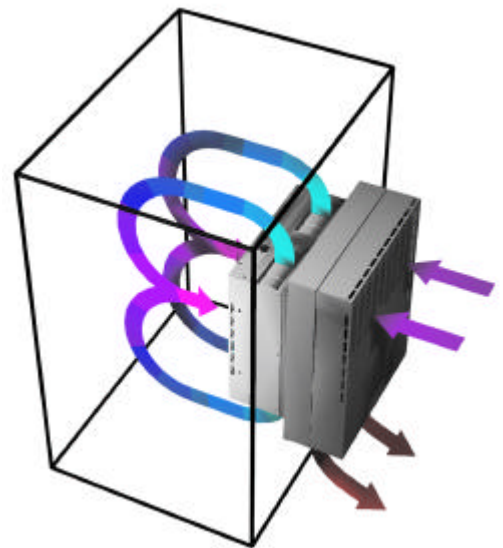
1300 BTU/hr @ +20 °F ΔT *

RATING (DIN 3168)

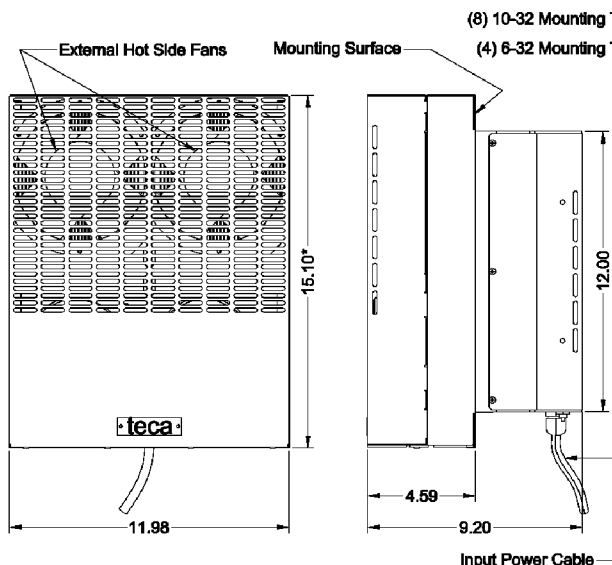
300 Watts L35 L35

187 Watts L35 L50

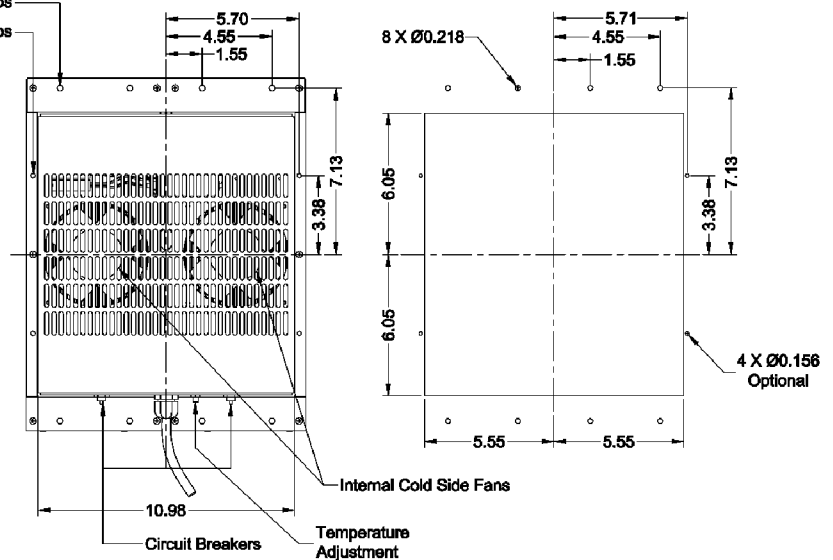
* See page 6



AHP-1501 DIMENSIONS



MOUNTING CUTOUT DIMENSIONS



*Dimension does not include hardware. Dimensions: Inches
Mounting hardware, drip pan and gasket included but not shown.