

AHP-1800

Solid-State Air Conditioner



Air Cooled
Thru Mount
Nema-12, 4,4X, Class 1 Div 2



FEATURES

- Compact, (18" L X 12.35" W X 9.69"D)
- Excels in high ambient temperatures
- Environmentally Safe
- Dual voltage versions available, consult factory.
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Versions to withstand corrosive environments, shock and vibration
- Mounts and operates in any orientation

INCLUDES

- Adjustable temperature control
- Mounting gasket and hardware
- Power input line cord

APPLICATIONS

Cools electronic enclosures and control cabinets in factories, mines and on ship board.

SPECIFICATIONS

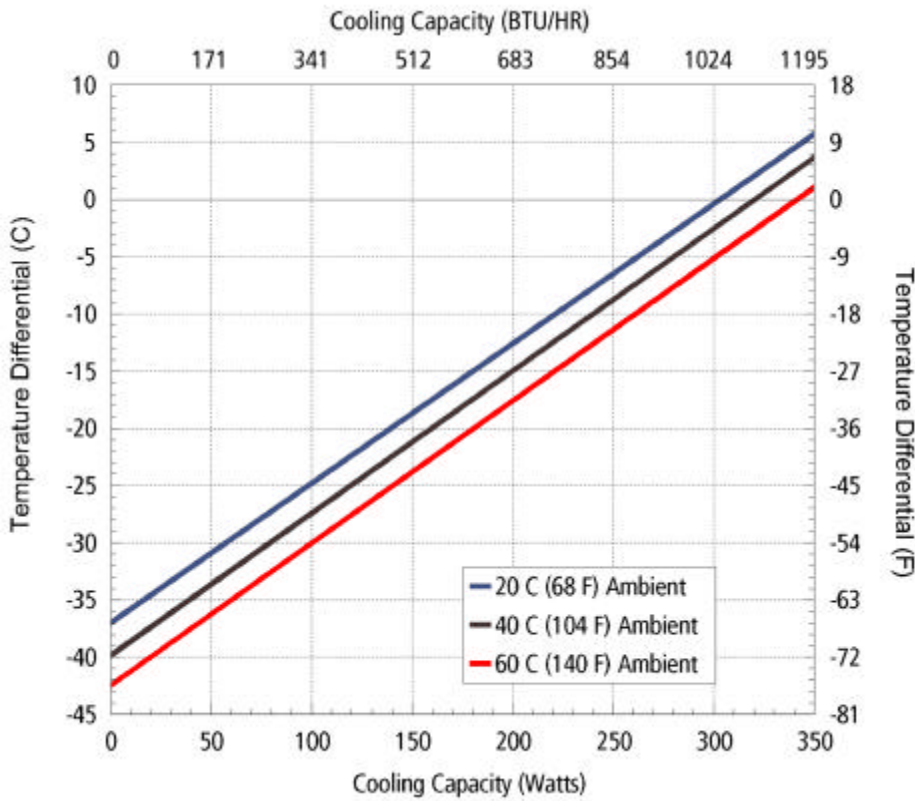
	MODEL	PART NUMBER	NOTES	PERFORMANCE RATING BTU/HR	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.	WEIGHT LBS.(KG)	TEMP. CONTROL *	OPERATING AMBIENT °C	AGENCY APPROVALS (ETL)
NEMA 1	AHP-1800	0-0180-0-000	Cool only	1035-1180	120	8.0	46(21)	TC-6F	-10/+70	UL1995/CSA22.2, CE
	AHP-1800	0-0150-0-000	Cool only	1035-1180	120	8.0	46(21)	OPT*	-10/+70	UL1995/CSA22.2, CE
	AHP-1800HC	0-0130-1-000	Heat/Cool	1035-1180	120	8.0	46(21)	TC-3F	-10/+70	UL1995/CSA22.2, CE
	AHP-1800HC	0-0150-1-000	Heat/Cool	1035-1180	120	8.0	46(21)	OPT*	-10/+70	UL1995/CSA22.2, CE
	AHP-1802	0-0182-0-000	Cool only	1035-1180	240	5.0	46(21)	TC-6F	-10/+70	UL1995/CSA22.2, CE
	AHP-1802	0-0152-0-000	Cool only	1035-1180	240	5.0	46(21)	OPT*	-10/+70	UL1995/CSA22.2, CE
	AHP-1802HC	0-0132-1-000	Heat/Cool	1035-1180	240	5.0	46(21)	TC-3F	-10/+70	UL1995/CSA22.2, CE
	AHP-1802HC	0-0152-1-000	Heat/Cool	1035-1180	240	5.0	46(21)	OPT*	-10/+70	UL1995/CSA22.2, CE
	AHP-1800XE	0-0180-4-000	Cool only	1035-1180	120	8.0	47(21.4)	TC-6F	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XE	0-0150-4-000	Cool only	1035-1180	120	8.0	47(21.4)	OPT*	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XEHC	0-0130-5-000	Heat/Cool	1035-1180	120	8.0	47(21.4)	TC-3F	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XEHC	0-0150-5-000	Heat/Cool	1035-1180	120	8.0	47(21.4)	OPT*	-28/+70	UL1995/CSA22.2, CE
NEMA 4X	AHP-1802XE	0-0182-4-000	Cool only	1035-1180	240	5.0	52(23.6)	TC-6F	-28/+70	UL1995/CSA22.2, CE
	AHP-1802XE	0-0152-4-000	Cool only	1035-1180	240	5.0	52(23.6)	OPT*	-28/+70	UL1995/CSA22.2, CE
	AHP-1802XEHC	0-0132-5-000	Heat/Cool	1035-1180	240	5.0	52(23.6)	TC-3F	-28/+70	UL1995/CSA22.2, CE
	AHP-1802XEHC	0-0152-5-000	Heat/Cool	1035-1180	240	5.0	52(23.6)	OPT*	-28/+70	UL1995/CSA22.2, CE
	AHP-1800X	0-0180-2-000	Cool only	1035-1180	120	7.5	47(21.4)	TC-6F	-28/+70	UL1995/CSA22.2, CE
	AHP-1800X	0-0150-2-000	Cool only	1035-1180	120	7.5	47(21.4)	OPT*	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XHC	0-0130-3-000	Heat/Cool	1035-1180	120	7.5	47(21.4)	TC-3F	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XHC	0-0150-3-000	Heat/Cool	1035-1180	120	7.5	47(21.4)	OPT*	-28/+70	UL1995/CSA22.2, CE
	AHP-1800XP	0-0180-2-002	Cool only	1035-1180	120	7.5	47(21.4)	TC-6F	-28/+70	UL-1604
	AHP-1800XPHC	0-0130-3-003	Heat/Cool	1035-1180	120	7.5	47(21.4)	TC-3F	-28/+70	UL-1604
	AHP-1801XP	0-0181-2-002	Cool only	1035-1180	120/240	7.5/5.0	52(23.6)	TC-6F	-28/+70	UL-1604
	AHP-1801XPHC	0-0131-3-003	Heat/Cool	1035-1180	120/240	7.5/5.0	52(23.6)	TC-3F	-28/+70	UL-1604
C1D2	AHP-1801XPHC-1	0-0171-3-004	Heat/Cool	1035-1180	120/240	7.5/5.0	52(23.6)	OPT*	-28/+70	UL-1604

Consult us for 120/240 VAC versions, model AHP-1801, with similar features.

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

AHP-1800

PERFORMANCE CURVE



Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$			
Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .122x - 37.0$	$y = .122x - 39.7$	$y = .122x - 42.3$
Cold Sink	$y = .09x - 37.0$	$y = .09x - 39.7$	$y = .09x - 42.3$

MOUNTING STYLE

Thru Mount

ENVIRONMENTS

Nema-12 IP 40 (maintains IP 52)

Nema-4/4X IP 56

Class 1 Div 2 and Nema-4X IP 56

RATING (TRADITIONAL)

1100 BTU/hr @ 0 °F ΔT

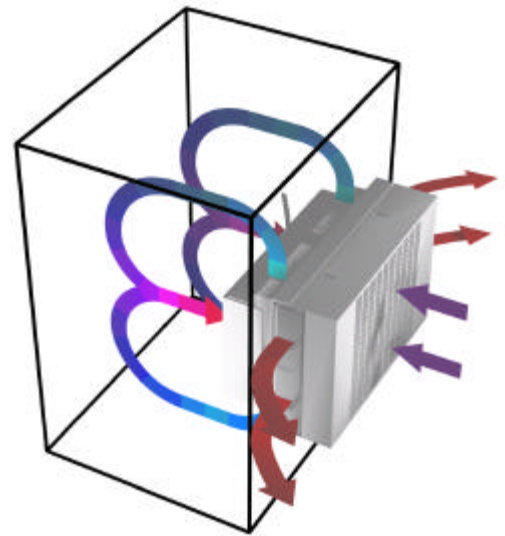
1420 BTU/hr @ +20 °F ΔT *

RATING (DIN 3168)

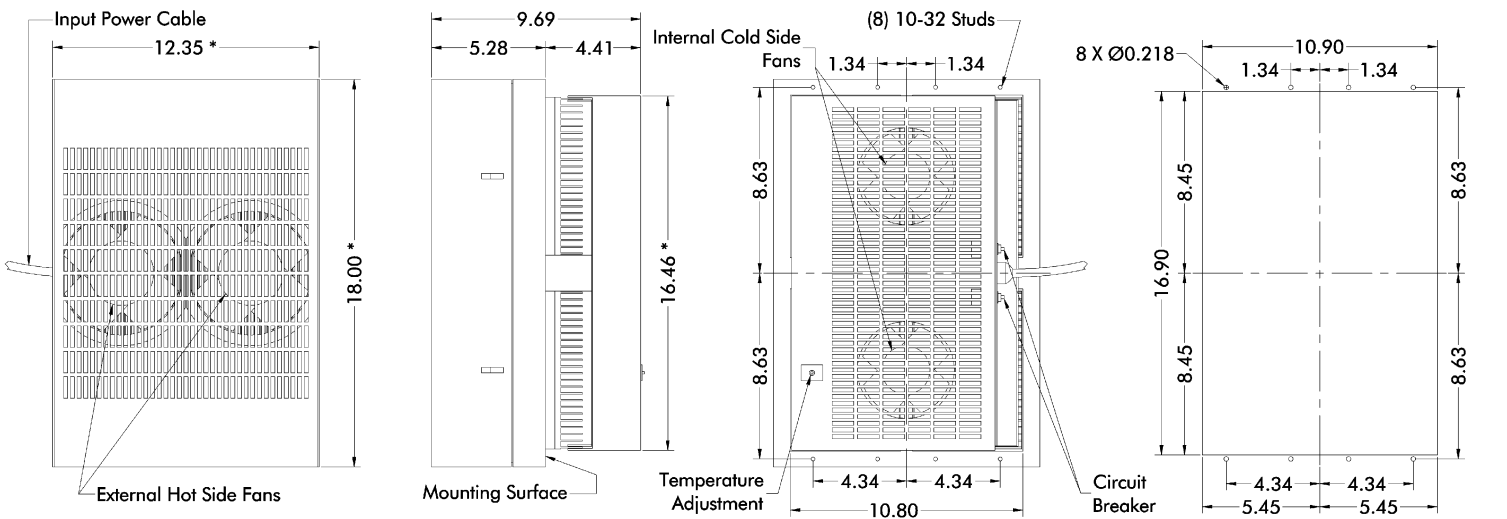
322 Watts L35 L35

210 Watts L35 L50

* See page 6



DIMENSIONS



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