

# AHP-1800

# Air Conditioner

Air Cooled  
Thru Mount  
NEMA-12, 4,4X

24 VDC Input



## FEATURES

- Compact, (18" L X 12.35" W X 9.69"D)
- Excels in high ambient temperatures
- Environmentally Safe
- Dual efficiency 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 leads

## SPECIFICATIONS

MODEL	PART NUMBER	NOTES	PERFORMANCE RATING BTU/HR	VOLTAGE VDC	RUNING CURRENT AMPS.	WEIGHT LBS.(KG) APPROX.	TEMP. CONTROL *	OPERATING AMBIENT °C	AGENCY APPROVALS (ETL)
AHP-1800	0-0195-0-000	Cool only	1100-1300	24	18	40 (18)	NONE	-10/+70	PENDING
AHP-1800	0-0185-0-000	Cool only	1100-1300	24	18	40 (18)	TC-6F	-10/+70	PENDING
AHP-1800	0-01F5-0-000	Cool only	1100-1300	24	18	40 (18)	85°F (30°)	-10/+70	PENDING
AHP-1800	0-0155-0-000	Cool only	1100-1300	24	18	40 (18)	EXT*	-10/+70	PENDING
AHP-1800HC	0-0135-1-000	Heat/Cool	1100-1300	24	18	40 (18)	TC-3F	-10/+70	PENDING
AHP-1800HC	0-0155-1-000	Heat/Cool	1100-1300	24	18	40 (18)	EXT**	-10/+70	PENDING
AHP-1800XE	0-0195-4-000	Cool only	1100-1300	24	18	40 (18)	NONE	-28/+70	PENDING
AHP-1800XE	0-0185-4-000	Cool only	1100-1300	24	18	40 (18)	TC-6F	-28/+70	PENDING
AHP-1800XE	0-01F5-4-000	Cool only	1100-1300	24	18	40 (18)	85°F (30°)	-28/+70	PENDING
AHP-1800XE	0-0155-4-000	Cool only	1100-1300	24	18	40 (18)	EXT*	-28/+70	PENDING
AHP-1800XEHC	0-0135-5-000	Heat/Cool	1100-1300	24	18	40 (18)	TC-3F	-28/+70	PENDING
AHP-1800XEHC	0-0155-5-000	Heat/Cool	1100-1300	24	18	40 (18)	EXT**	-28/+70	PENDING
AHP-1800X	0-0195-2-000	Cool only	1100-1300	24	18	40 (18)	NONE	-28/+70	PENDING
AHP-1800X	0-0185-2-000	Cool only	1100-1300	24	18	40 (18)	TC-6F	-28/+70	PENDING
AHP-1800X	0-01F5-2-000	Cool only	1100-1300	24	18	40 (18)	85°F (30°)	-28/+70	PENDING
AHP-1800X	0-0155-2-000	Cool only	1100-1300	24	18	40 (18)	EXT*	-28/+70	PENDING
AHP-1800XHC	0-0135-3-000	Heat/Cool	1100-1300	24	18	40 (18)	TC-3F	-28/+70	PENDING
AHP-1800XHC	0-0155-3-000	Heat/Cool	1100-1300	24	18	40 (18)	EXT**	-28/+70	PENDING

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

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

**For other voltages contact TECA**

# AHP-1800

## MOUNTING STYLE

Thru Mount

## ENVIRONMENTS

NEMA-12 IP 40 (maintains IP 52)

NEMA-4,4X IP 56

## RATING (TRADITIONAL)

1100 BTU/hr @ 0 °F ΔT

1420 BTU/hr @ +20 °F ΔT \*

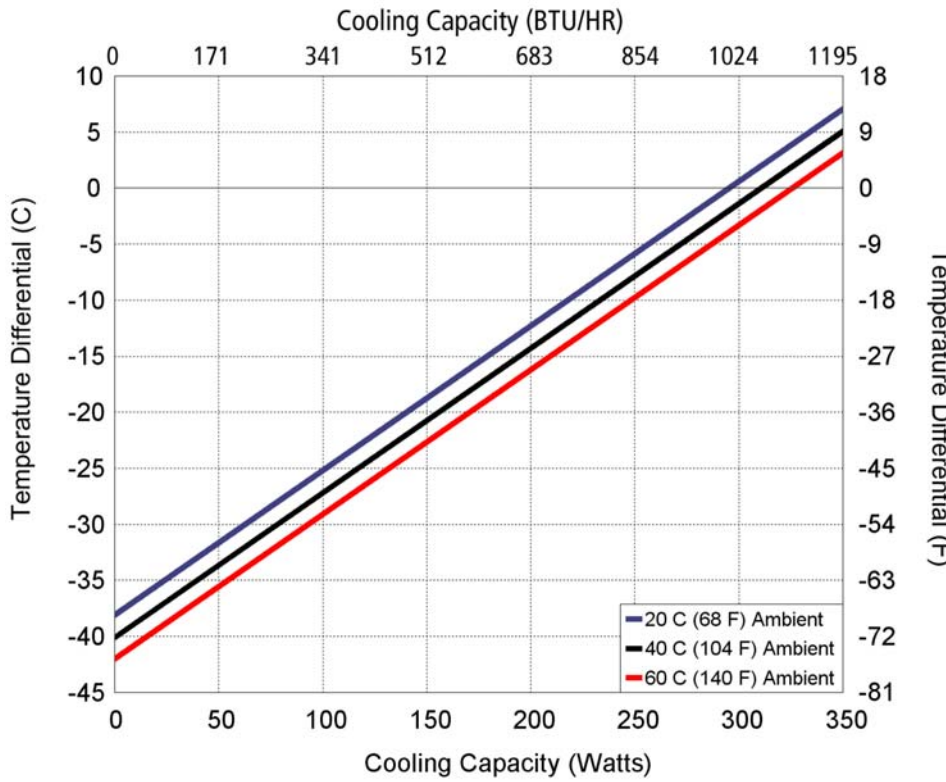
## RATING (DIN 3168)

322 Watts L35 L35

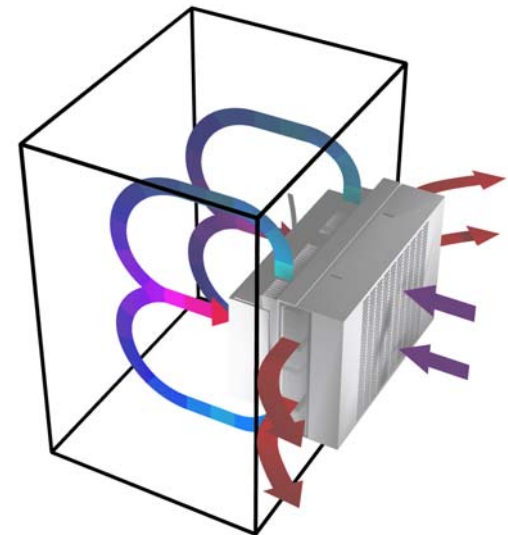
210 Watts L35 L50

\* See page 10

## PERFORMANCE CURVE

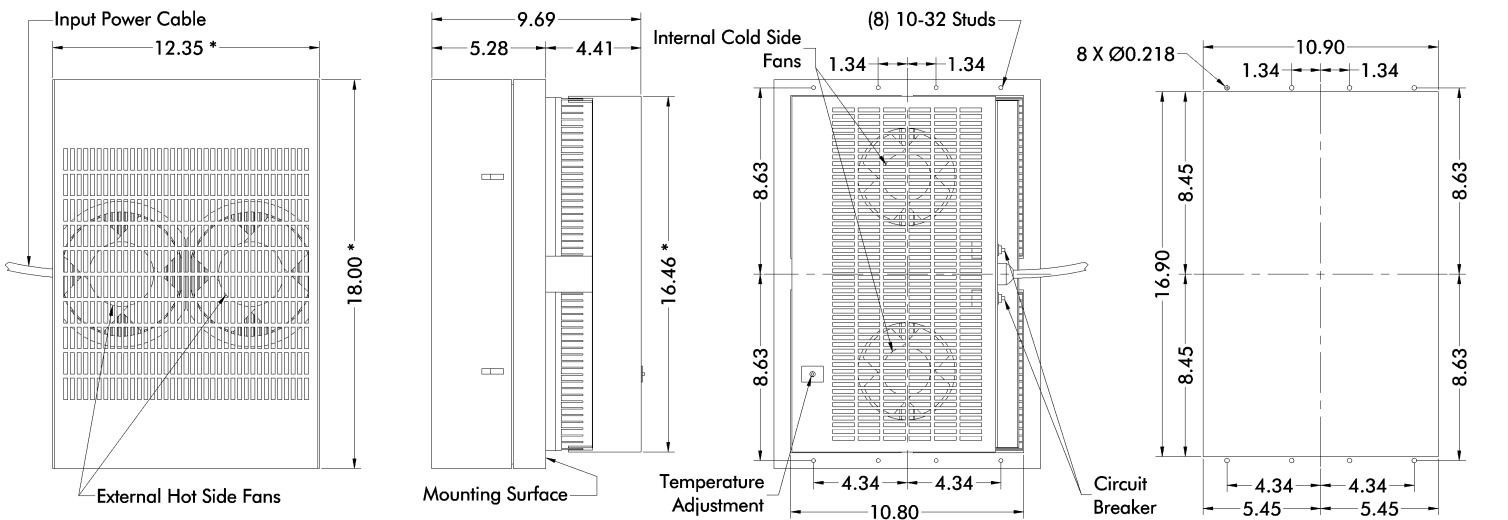


Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$			
Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .129x - 38.1$	$y = .129x - 40.1$	$y = .129x - 42.0$
Cold Sink	$y = .09x - 38.1$	$y = .09x - 40.1$	$y = .09x - 42.0$



Air Flow Pattern

## DIMENSIONS



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