



# AHP-1800

# Air Conditioner

Air Cooled  
Through Mounted  
NEMA-12, 4, 4X

48 VDC Input  
High Efficiency  
1100 BTU/HR



## FEATURES

- High capacity thermoelectric design
- Lower profile intrusion into enclosure
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at higher ambients by as much as 12%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Easy to use Pivot Clean feature
- Weight 55 LBS.
- Agency approvals: UL 1995, CSA 22.2, CE

## POWER INPUTS

Voltage	48 VDC
Current, Active	9 AMPS
Current, ECO-Mode	1 AMPS

## PERFORMANCE RATINGS

Cooling (Traditional)	1100 BTU/HR
Cooling (Din 3168)	322 WATTS
Cooling COP (at L35 L35)	0.74
Heating (Traditional)	> 1473 BTU/HR
Heating (Din 3168)	> 432 WATTS
Heating COP	> 1.0

## INCLUDES

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

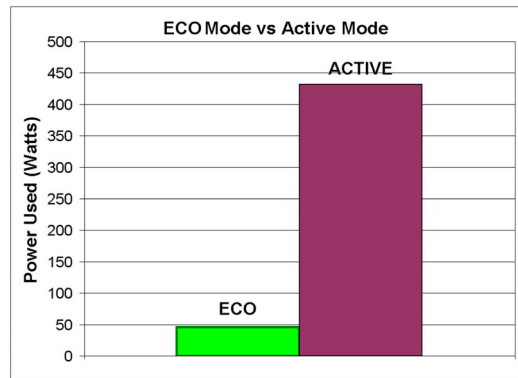
## CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1800	0-0196-0-000	Cool only	None	NEMA-12, IP 52
AHP-1800	0-0186-0-000	Cool only	TC-6F	NEMA-12, IP 52
AHP-1800	0-01F6-0-000	Cool only	TC-1F	NEMA-12, IP 52
AHP-1800	0-0156-0-000	Cool only	EXT*	NEMA-12, IP 52
AHP-1800HC	0-0136-1-000	Heat/Cool	TC-3F	NEMA-12, IP 52
AHP-1800HC	0-0116-1-000	Heat/Cool	TC-7F	NEMA-12, IP 52
AHP-1800HC	0-0156-1-000	Heat/Cool	EXT*	NEMA-12, IP 52
AHP-1800XE	0-0196-4-000	Cool only	None	NEMA-4, IP 56
AHP-1800XE	0-0186-4-000	Cool only	TC-6F	NEMA-4, IP 56
AHP-1800XE	0-01F6-4-000	Cool only	TC-1F	NEMA-4, IP 56
AHP-1800XE	0-0156-4-000	Cool only	EXT*	NEMA-4, IP 56

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

## 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
TC-7F	10	25	35



250 VDC configuration for crane applications available

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1800XEHC	0-0136-5-000	Heat/Cool	TC-3F	NEMA-4/4X, IP 56
AHP-1800XEHC	0-0116-5-000	Heat/Cool	TC-7F	NEMA-4/4X, IP 56
AHP-1800XEHC	0-0156-5-000	Heat/Cool	EXT*	NEMA-4/4X, IP 56
AHP-1800X	0-0196-2-000	Cool only	None	NEMA-4X/Harsh, IP 56
AHP-1800X	0-0186-2-000	Cool only	TC-6F	NEMA-4X/Harsh, IP 56
AHP-1800X	0-01F6-2-000	Cool only	TC-1F	NEMA-4X/Harsh, IP 56
AHP-1800X	0-0156-2-000	Cool only	EXT*	NEMA-4X/Harsh, IP 56
AHP-1800XHC	0-0136-3-000	Heat/Cool	TC-3F	NEMA-4X/Harsh, IP 56
AHP-1800XHC	0-0116-3-000	Heat/Cool	TC-7F	NEMA-4X/Harsh, IP 56
AHP-1800XHC	0-0156-3-000	Heat/Cool	EXT*	NEMA-4X/Harsh, IP 56

Consult factory for full shock and vibration models

# AHP-1800

## MOUNTING STYLE

Through Mounted

## ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

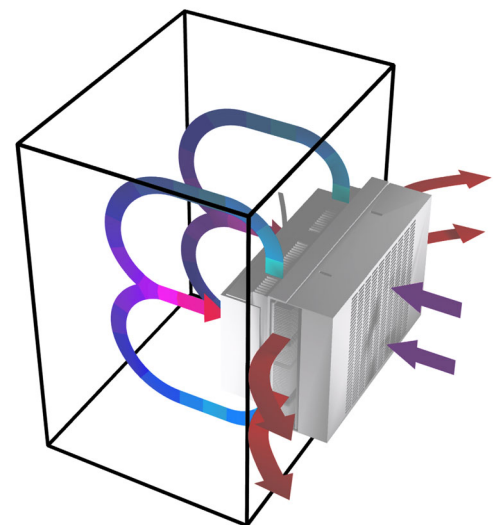
## RATING (TRADITIONAL)

1100 BTU/hr @ 0 °F ΔT

## RATING (DIN 3168)

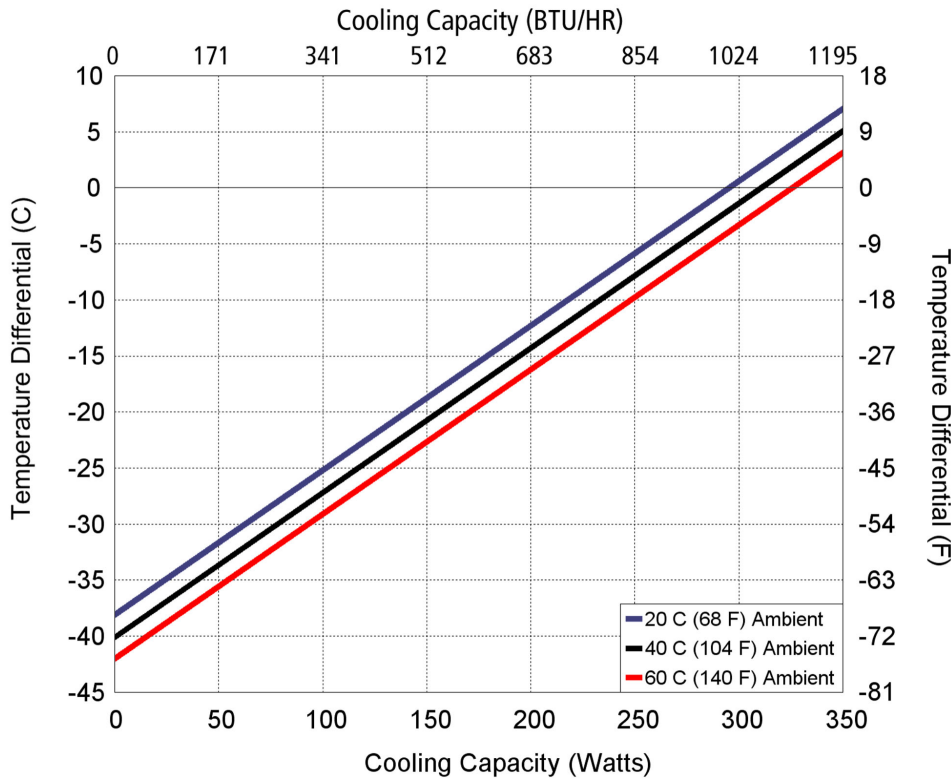
322 Watts L35 L35

210 Watts L35 L50



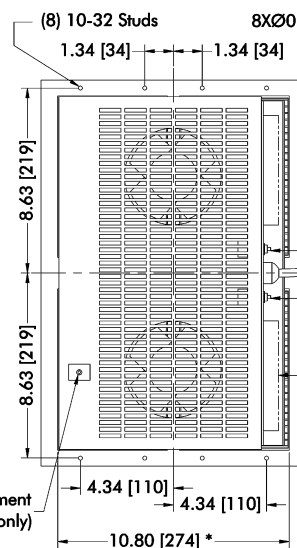
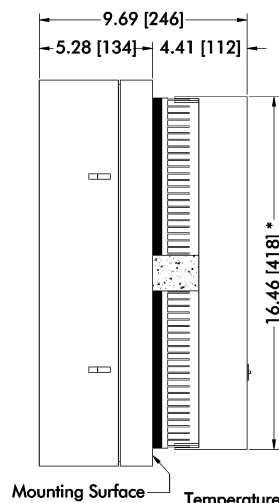
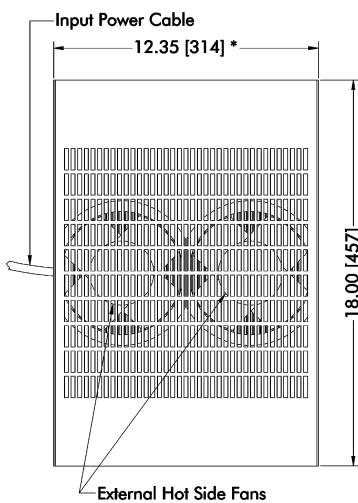
Air Flow Pattern

## PERFORMANCE CURVE

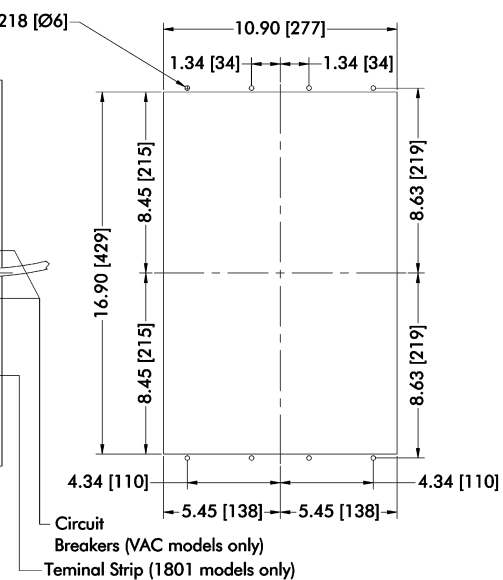


Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .129x - 38.1$	$y = .129x - 40.1$	$y = .129x - 42.0$
Cold Sink	$y = .09x - 38.1$	$y = .09x - 40.1$	$y = .09x - 42.0$

## DIMENSIONS



## MOUNTING CUTOUT DIMENSIONS



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