



# AHP-1200 Air Conditioner

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

48 VDC Input  
High Efficiency  
530 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 18 LBS.
- Agency approvals: UL 1995, CSA 22.2, CE

## POWER INPUTS

Voltage 48 VDC  
Current, Active 4.5 AMPS  
Current, ECO-Mode 0.45 AMPS

## PERFORMANCE RATINGS

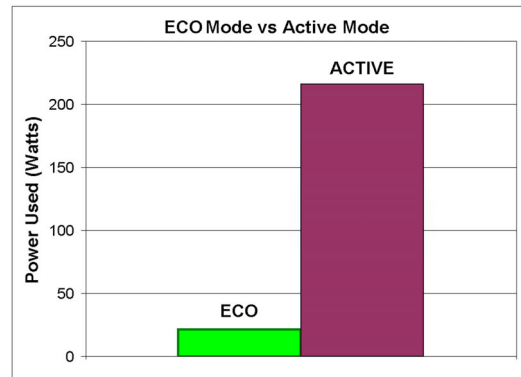
Cooling (Traditional) 530 BTU/HR  
Cooling (Din 3168) 154 WATTS  
Cooling COP (at L35 L35) 0.71  
Heating (Traditional) > 736 BTU/HR  
Heating (Din 3168) > 216 WATTS  
Heating COP > 1.0

## INCLUDES

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

## 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



## CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1200	0-3096-0-000	Cool only	None	NEMA-12, IP 52
AHP-1200	0-3086-0-000	Cool only	TC-6F	NEMA-12, IP 52
AHP-1200	0-30F6-0-000	Cool only	TC-1F	NEMA-12, IP 52
AHP-1200	0-3056-0-000	Cool only	EXT*	NEMA-12, IP 52
AHP-1200HC	0-3036-1-000	Heat/Cool	TC-3F	NEMA-12, IP 52
AHP-1200HC	0-3016-1-000	Heat/Cool	TC-7F	NEMA-12, IP 52
AHP-1200HC	0-3056-1-000	Heat/Cool	EXT*	NEMA-12, IP 52
AHP-1200XE	0-3096-4-000	Cool only	None	NEMA-4/4X, IP 56
AHP-1200XE	0-3086-4-000	Cool only	TC-6F	NEMA-4/4X, IP 56
AHP-1200XE	0-30F6-4-000	Cool only	TC-1F	NEMA-4/4X, IP 56
AHP-1200XE	0-3056-4-000	Cool only	EXT*	NEMA-4/4X, IP 56
AHP-1200XEHC	0-3036-5-000	Heat/Cool	TC-3F	NEMA-4/4X, IP 56
AHP-1200XEHC	0-3016-5-000	Heat/Cool	TC-7F	NEMA-4/4X, IP 56
AHP-1200XEHC	0-3056-5-000	Heat/Cool	EXT*	NEMA-4/4X, IP 56

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

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1200X	0-3096-2-000	Cool only	None	NEMA-4X/Harsh, IP 56
AHP-1200X	0-3086-2-000	Cool only	TC-6F	NEMA-4X/Harsh, IP 56
AHP-1200X	0-30F6-2-000	Cool only	TC-1F	NEMA-4X/Harsh, IP 56
AHP-1200X	0-3056-2-000	Cool only	EXT*	NEMA-4X/Harsh, IP 56
AHP-1200XHC	0-3036-3-000	Heat/Cool	TC-3F	NEMA-4X/Harsh, IP 56
AHP-1200XHC	0-3016-3-000	Heat/Cool	TC-7F	NEMA-4X/Harsh, IP 56
AHP-1200XHC	0-3056-3-000	Heat/Cool	EXT*	NEMA-4X/Harsh, IP 56
AHP-1200XM†	0-3096-2-041	Cool only	None	NEMA-4X/Harsh, IP 56
AHP-1200XM†	0-3086-2-034	Cool only	TC-6F	NEMA-4X/Harsh, IP 56
AHP-1200XM†	0-30F6-2-035	Cool only	TC-1F	NEMA-4X/Harsh, IP 56
AHP-1200XM†	0-3056-2-036	Cool only	EXT*	NEMA-4X/Harsh, IP 56
AHP-1200XMHC†	0-3036-3-037	Heat/Cool	TC-3F	NEMA-4X/Harsh, IP 56
AHP-1200XMHC†	0-3016-3-040	Heat/Cool	TC-7F	NEMA-4X/Harsh, IP 56
AHP-1200XMHC†	0-3056-3-038	Heat/Cool	EXT*	NEMA-4X/Harsh, IP 56

† Full shock and vibration models

# AHP-1200

## MOUNTING STYLE

Through Mounted

## ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

## RATING (TRADITIONAL)

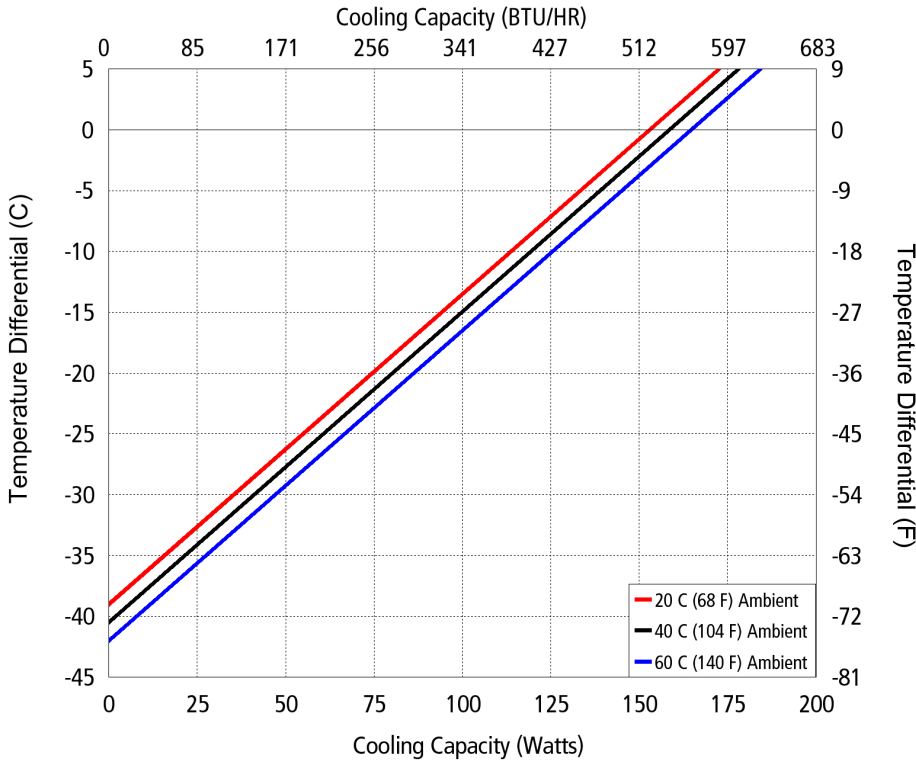
530 BTU/hr @ 0 °F ΔT

## RATING (DIN 3168)

154 Watts L35 L35

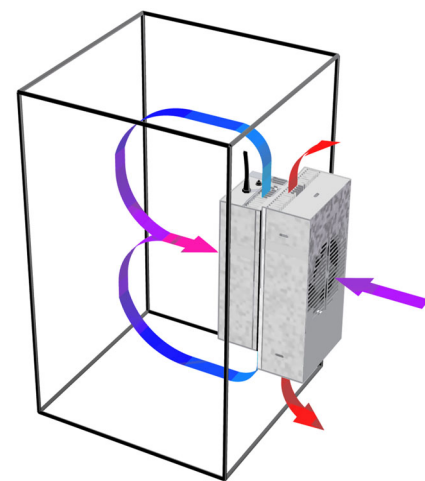
100 Watts L35 L50

## PERFORMANCE CURVE



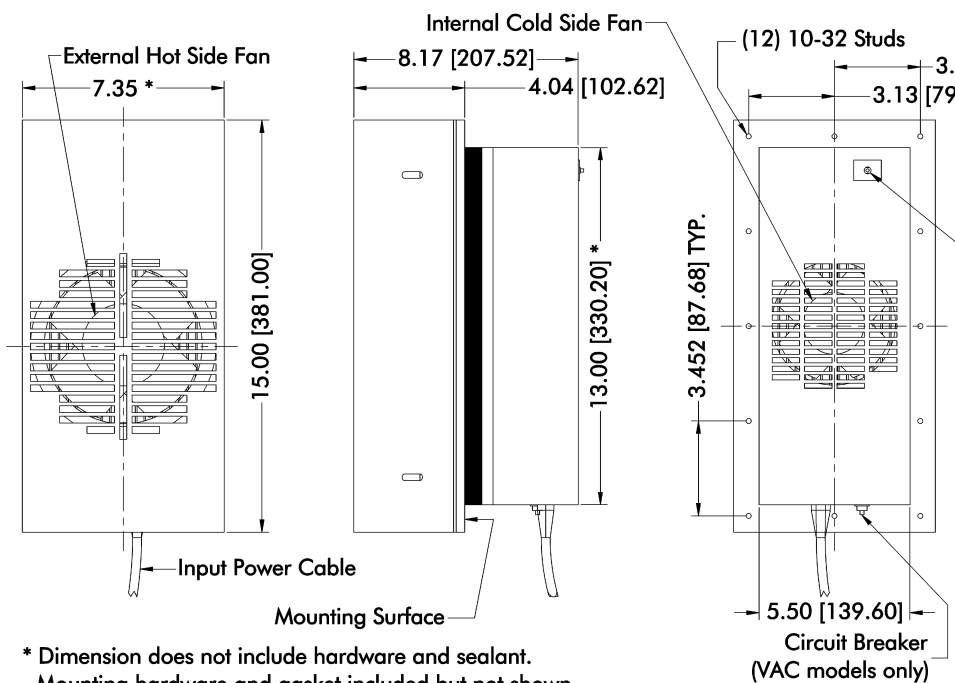
Equation of line:  $y = \Delta T(^{\circ}\text{C})$   $x = \text{Capacity (Watts)}$

Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .255x - 39.0$	$y = .255x - 41.0$	$y = .255x - 42.0$
Cold Sink	$y = .166x - 39.0$	$y = .166x - 41.0$	$y = .166x - 42.0$



Air Flow Pattern

## DIMENSIONS



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

## MOUNTING CUTOUT DIMENSIONS

