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
- Environmentaly friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Oprerating ambient temperature range -40/+70 °C
- Oprerating 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

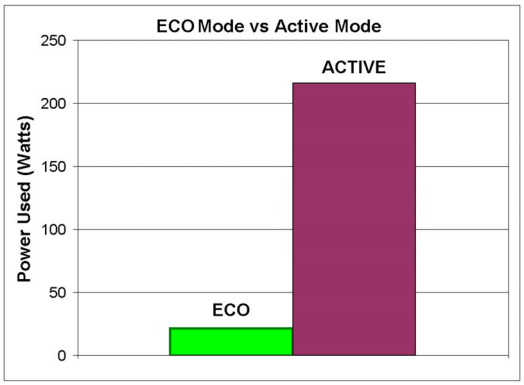
Cooling (Traditional)	530 BTU/HR
Cooling (Din 3168)	154 WATTS
Cooling COP (at L35 L35)	0.71
Heating (Traditional)	> 736 BTU/HR
Heating (Din 3168)	> 216 WATTS
Heating COP	> 1.0

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	0-30I6-1-000	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	0-30I6-5-000	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	0-30I6-3-000	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†	0-30I6-3-040	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)

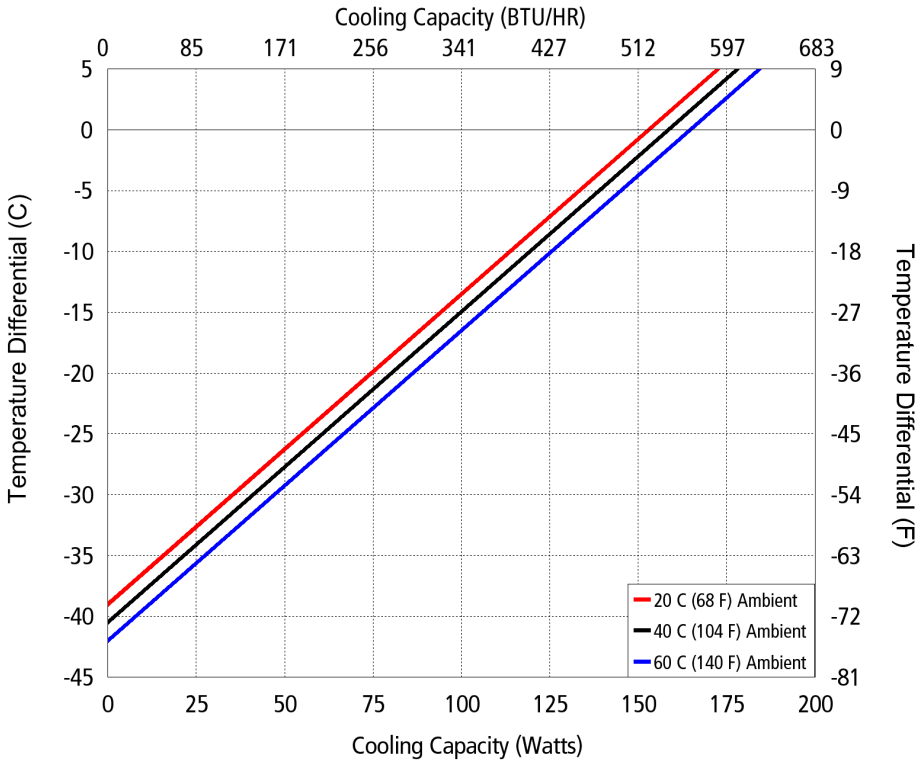
530 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

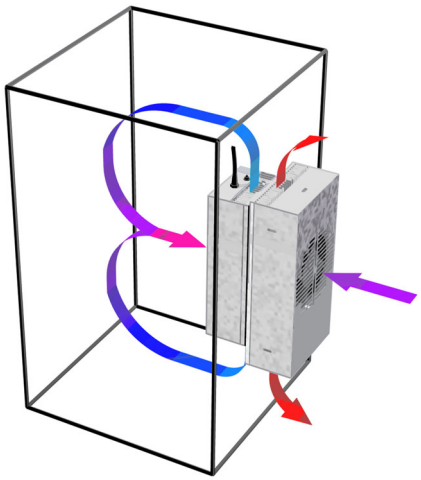
154 Watts L35 L35

100 Watts L35 L50

PERFORMANCE CURVE

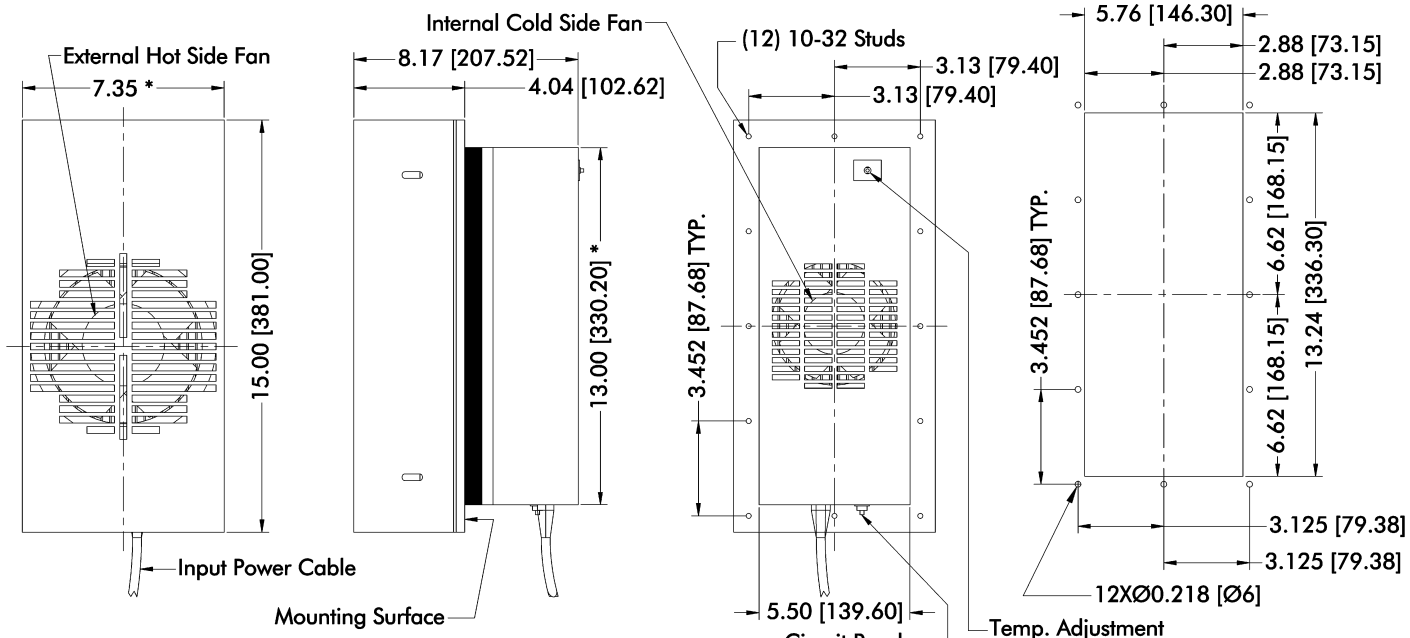


Equation of line: y=ΔT(°C) x=Capacity (Watts)			
Ambient Temp	**20°C**	**40°C**	**60°C**
Enclosure Air	y=.255x-39.0	y=.255x-41.0	y=.255x-42.0
Cold Sink	y=.166x-39.0	y=.166x-41.0	y=.166x-42.0



Air Flow Pattern

DIMENSIONS



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