AHP-1501 Air Conditioner

Air Cooled
Through Mounted
NEMA-12 & NEMA-4/4X

48 VDC Input
High Efficiency
1000 BTU/HR



FEATURES

- Mounts in multi-unit array for incremental capacity
- Closed loop design
- Condensate control and evaporation system
- Compact
- Increased efficiency at hher ambients by as much as 10%
- Virtually maintenance-free operation
- Environmentally friendly and safe
- No compressor, fluorocarbons or filters
- Stainless steel exterior housing
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 48 LBS.

POWER INPUTS

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

PERFORMANCE RATINGS

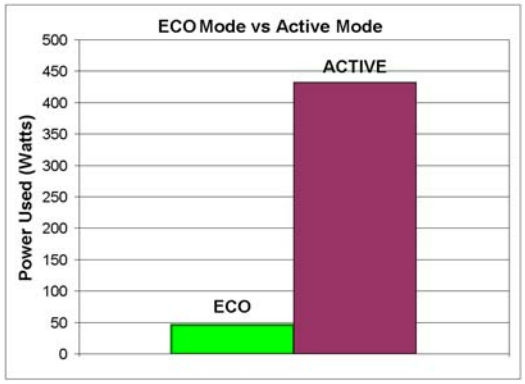
Cooling (Traditional)	1000 BTU/HR
Cooling (Din 3168)	300 WATTS
Cooling COP (at L35 L35)	0.70
Heating (Traditional)	> 1473 BTU/HR
Heating (Din 3168)	> 432 WATTS
Heating COP	> 1.0

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



250 VDC configuration for crane applications available

CONFIGURATIONS

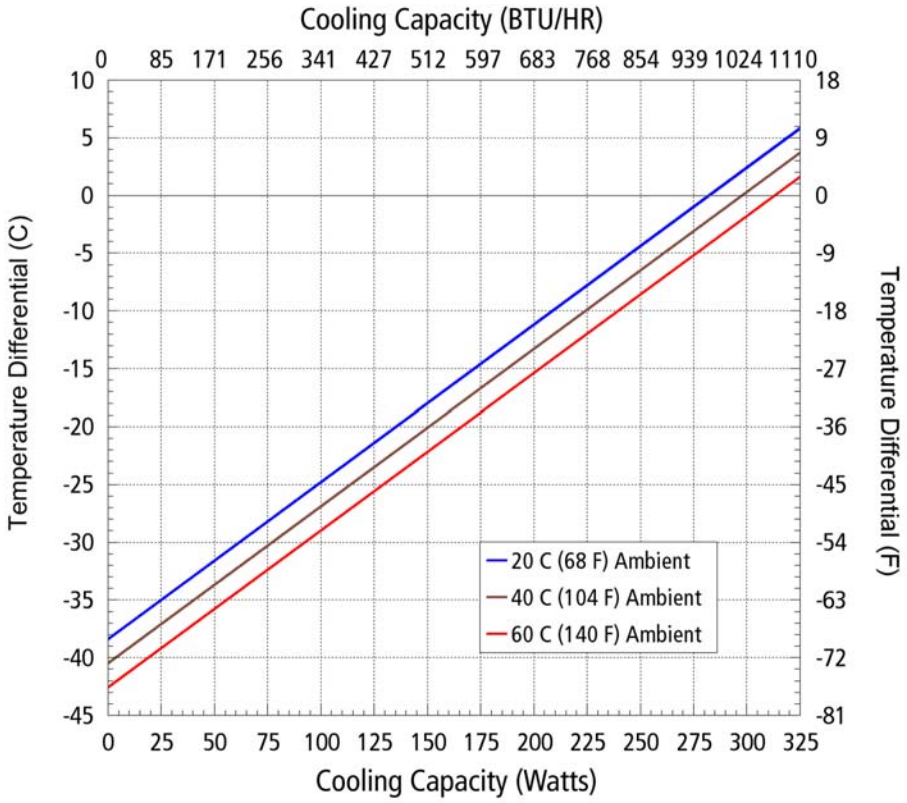
MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1501	0-2186-0-000	Cool only	TC-6F	NEMA-12, IP 52
AHP-1501	0-21F6-0-000	Cool only	TC-1F	NEMA-12, IP 52
AHP-1501	0-2156-0-000	Cool only	EXT*	NEMA-12, IP 52
AHP-1501HC	0-2136-1-000	Cool only	TC-3F	NEMA-12, IP 52
AHP-1501HC	0-21I6-1-000	Heat/Cool	TC-7F	NEMA-12, IP 52
AHP-1501HC	0-2156-1-000	Heat/Cool	EXT*	NEMA-12, IP 52

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-1501XE	0-2186-4-000	Cool only	TC-6F	NEMA-4/4X, IP 56
AHP-1501XE	0-21F6-4-000	Cool only	TC-1F	NEMA-4/4X, IP 56
AHP-1501XE	0-2156-4-000	Cool only	EXT*	NEMA-4/4X, IP 56
AHP-1501XEHC	0-2136-5-000	Cool only	TC-3F	NEMA-4/4X, IP 56
AHP-1501XEHC	0-21I6-5-000	Heat/Cool	TC-7F	NEMA-4/4X, IP 56
AHP-1501XEHC	0-2156-5-000	Heat/Cool	EXT*	NEMA-4/4X, IP 56

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

AHP-1501

PERFORMANCE CURVE



Equation of line: y=ΔT(°C) x=Capacity (Watts)			
Ambient Temp	**20°C**	**40°C**	**60°C**
Enclosure Air	y=.136x-38.4	y=.136x-40.5	y=.136x-42.6
Cold Sink	y=.10x-38.4	y=.10x-40.5	y=.10x-42.6

MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4/4X IP 56

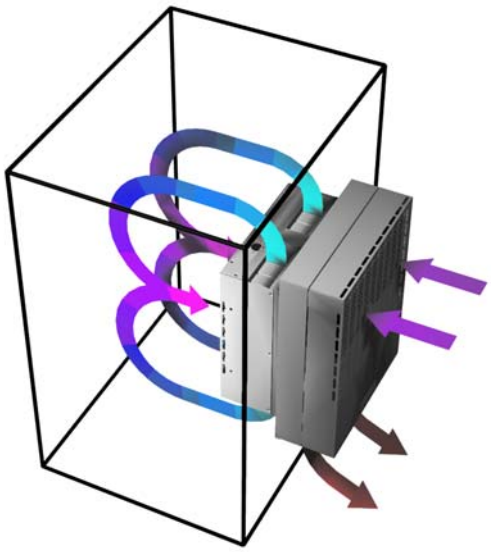
RATING (TRADITIONAL)

1000 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

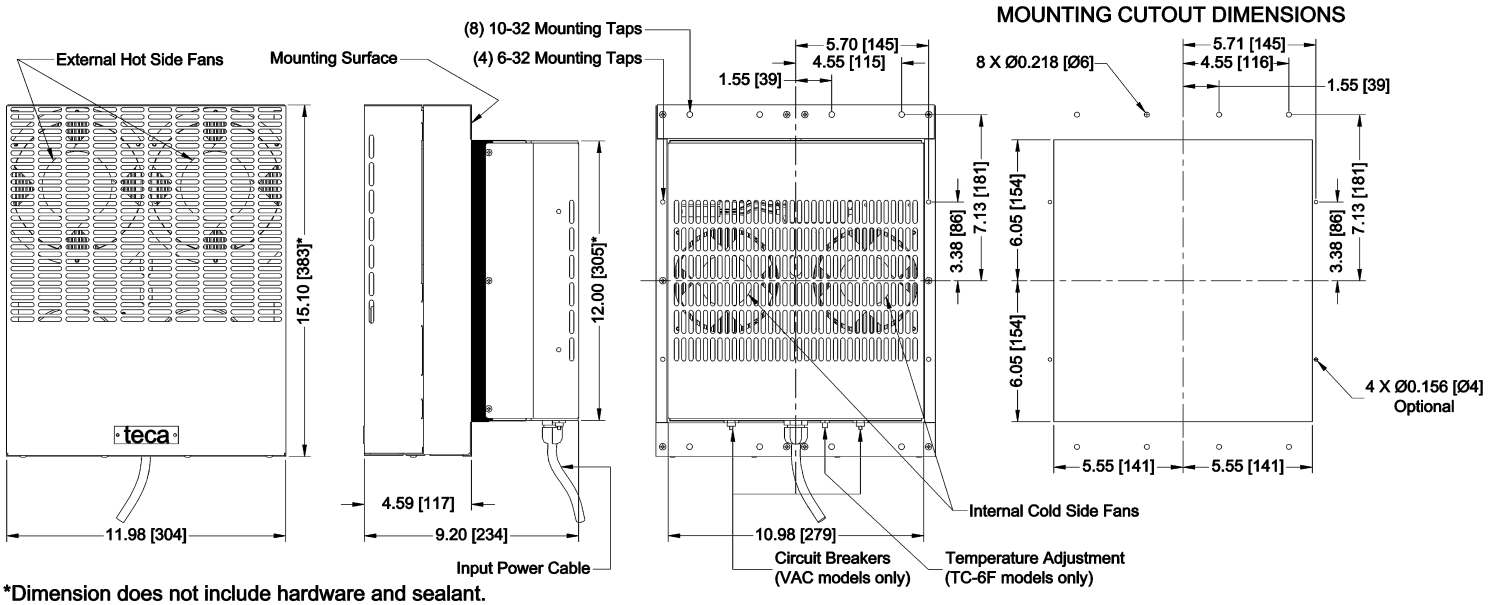
300 Watts L35 L35

187 Watts L35 L50



Air Flow Pattern

AHP-1501 DIMENSIONS



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