



AHP-570 Air Conditioner/Heat Exchanger

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

24 VDC
High Efficiency
305 BTU/HR



FEATURES

- Compact (only 10" X 5.84" X 7.75")
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Efficient heat exchanger mode (ECO-Mode)
- Easy to use Pivot Clean feature
- Weight 14 LBS.

CONTROL TEMPERATURES

Active Cooling	35 °C
Heat Exchanger (ECO-Mode)	25 °C
Active Heating	10 °C
Typical Hysteresis	5 °C
Operating Ambient	-40/+70 °C
Operating Enclosure	-10/+60 °C

POWER INPUTS

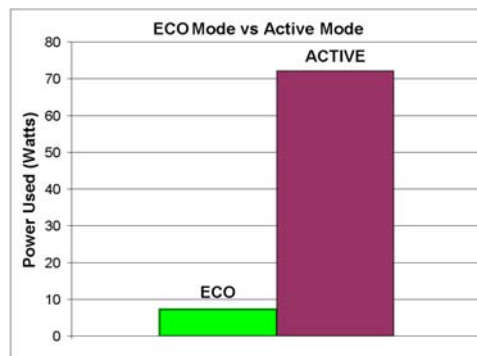
Voltage	24 VDC
Current, Active	3.0 AMPS
Current, ECO-Mode	0.3 AMPS

PERFORMANCE RATINGS

Cooling (Traditional)	303 BTU/HR
Cooling (Din 3168)	90 WATTS
Cooling COP (at L35 L35)	1.25
Heating (Traditional)	> 245 BTU/HR
Heating (Din 3168)	> 72 WATTS
Heating COP	> 1.0

INCLUDES

- Temperature controller
- Mounting gasket
- Mounting hardware
- Power input leads
- Power saving heat exchanger mode (ECO-Mode)



12 VDC configuration available

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-570	0-G0J5-0-000	Cool only, industrial fans	TC-4F	NEMA-12, IP 52
AHP-570HC	0-G095-1-000	Heat/Cool, industrial fans	None*	NEMA-12, IP 52
AHP-570HC	0-G0I5-1-000	Heat/Cool, industrial fans	TC-7F	NEMA-12, IP 52
AHP-570XE	0-G0J5-4-000	Cool only, sealed hot side fan	TC-4F	NEMA-4/4X, IP 56
AHP-570XEHC	0-G095-5-000	Heat/Cool, sealed hot side fan	None*	NEMA-4/4X, IP 56
AHP-570XEHC	0-G0I5-5-000	Heat/Cool, sealed hot side fan	TC-7F	NEMA-4/4X, IP 56
AHP-570X	0-G0J5-2-000	Cool only, Mil. grade hot side fan	TC-4F	NEMA-4X/Harsh Env. IP 56
AHP-570XHC	0-G095-3-000	Heat/Cool, Mil. grade hot side fan	None*	NEMA-4X/Harsh Env. IP 56
AHP-570XHC	0-G0I5-3-000	Heat/Cool, Mil. grade hot side fan	TC-7F	NEMA-4X/Harsh Env. IP 56
AHP-570XM	0-G0J5-2-010	Cool only, Mil. grade fans	TC-4F	NEMA-4X/Harsh Env. IP 56
AHP-570XMHC	0-G095-3-010	Heat/Cool, Mil. grade fans	None*	NEMA-4X/Harsh Env. IP 56
AHP-570XMHC	0-G0I5-3-010	Heat/Cool, Mil. grade fans	TC-7F	NEMA-4X/Harsh Env. IP 56

* For controller options contact TECA; Heating function via reverse polarity (controller dependent)

TECA

1-888-TECA-USA (832-2872)

www.thermoelectric.com

AHP-570

MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

RATING (TRADITIONAL)

AHP-570 305 BTU/hr @ 0 °F ΔT

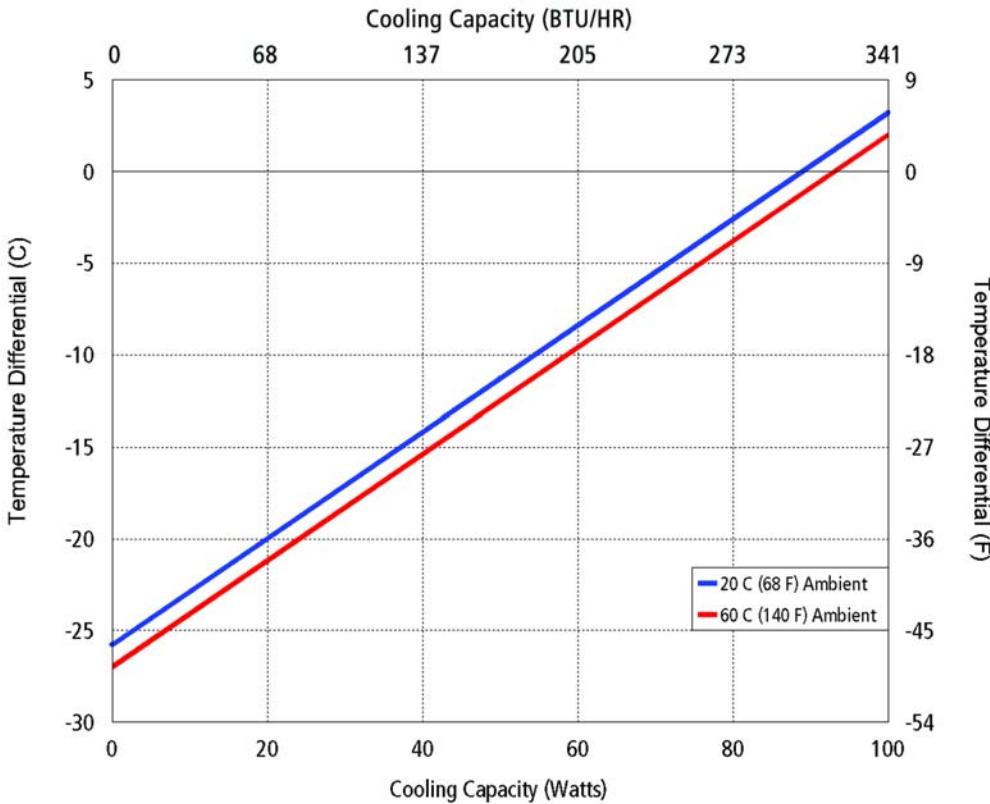
432 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

AHP-570 90 Watts L35 L35

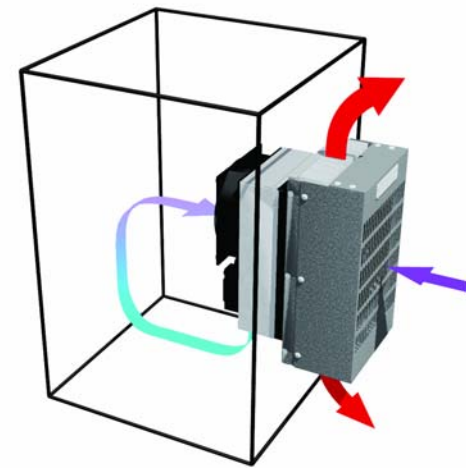
40 Watts L35 L50

PERFORMANCE CURVE



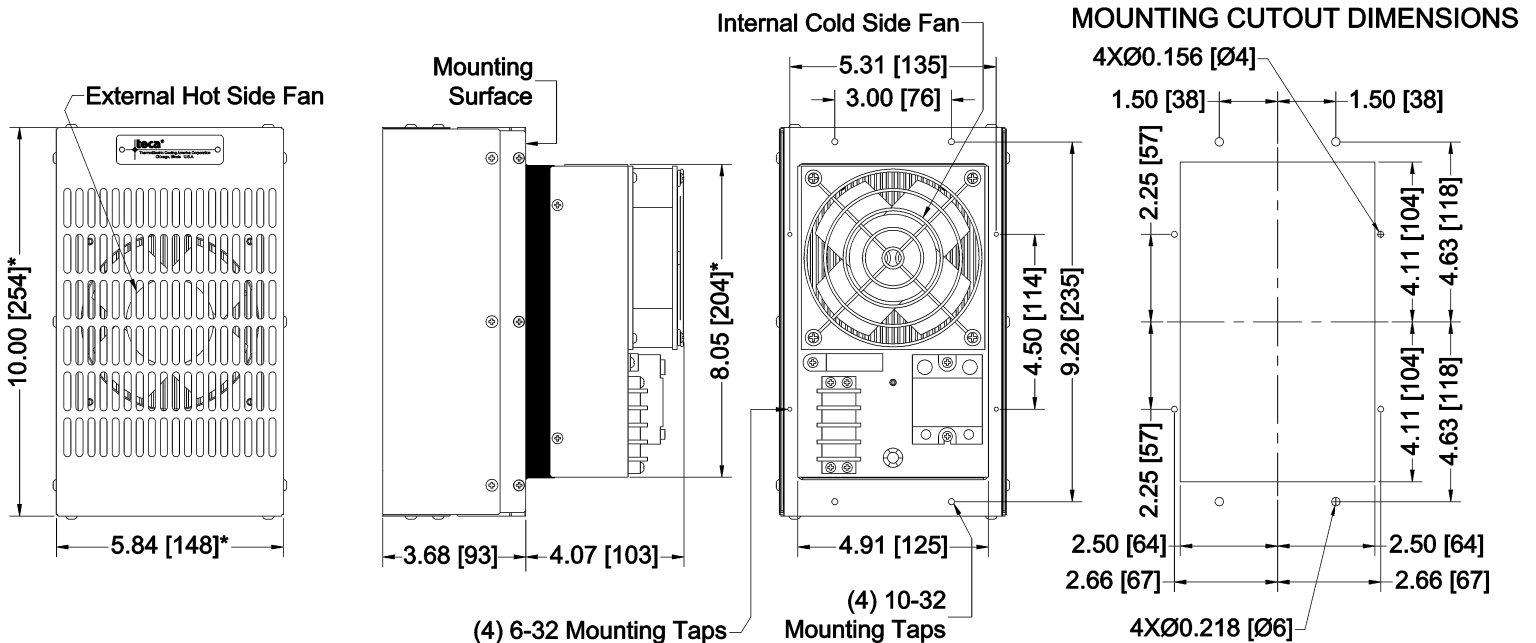
Equation of Line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$

Ambient Temp	20°C	60°C
AHP-570	$y = .29x - 25.8$	$y = .29x - 27$



Air Flow Pattern

DIMENSIONS



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