

AHP-500 Air Conditioner Series

Air Cooled
Thru Mount
Nema-12, 4, 4X

FEATURES

- Compact (only 10" X 5.84" X 7.75")
- Weighs only approximately 14 lbs. (6.4 kg)
- 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

INCLUDES

- Gasket and mounting hardware
- Hook-up leads
- Mounting hardware
- Temperature control

OPTIONS

- Internal mounting
- Custom finishes or no cover
- Different temperature controls
- Consult factory for other voltages



SPECIFICATIONS

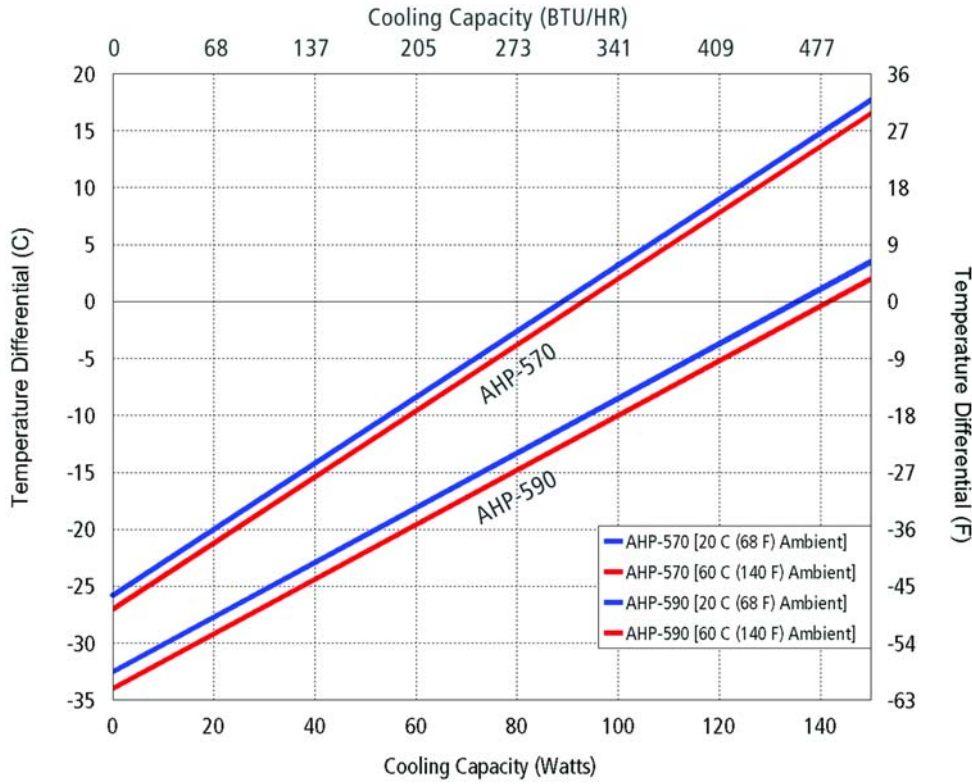
	MODEL	PART NUMBER	NOTES	COP @ 0 °C ΔT L35 L35	VOLTAGE VDC	CURRENT AMPS.	TEMP. CONTROL	OPERATING AMBINET TEMPERATURE RANGE °C	OPERATING ENCLOSURE TEMPERATURE RANGE °C
N E M A 12	AHP-570	0-G0F5-0-000	Cool Only	1.25	24	3.0	85°F (30°C)	-10/+70	-10/+60
	AHP-570HC	0-G095-1-000	Heat/Cool †	1.25	24	3.0	None*	-10/+70	-10/+60
	AHP-570HC	0-G0I5-1-000	Heat/Cool	1.25	24	3.0	TC-7F	-10/+70	-10/+60
	AHP-590	0-G0F5-0-001	Cool Only	0.85	24	6.9	85°F (30°C)	-10/+70	-10/+60
	AHP-590HC	0-G095-1-001	Heat/Cool †	0.85	24	6.9	None*	-10/+70	-10/+60
	AHP-590HC	0-G0I5-1-001	Heat/Cool	0.85	24	6.9	TC-7F	-10/+70	-10/+60
N E M A 4	AHP-570XE	0-G0F5-4-000	Cool Only	1.25	24	3.0	85°F (30°C)	-20/+70	-10/+60
	AHP-570XEHC	0-G095-5-000	Heat/Cool †	1.25	24	3.0	None*	-20/+70	-10/+60
	AHP-570XEHC	0-G0I5-5-000	HeatCool	1.25	24	3.0	TC-7F	-20/+70	-10/+60
	AHP-590XE	0-G0F5-4-001	Cool Only	0.85	24	6.9	85°F (30°C)	-20/+70	-10/+60
	AHP-590XEHC	0-G095-5-001	Heat/Cool †	0.85	24	6.9	None*	-20/+70	-10/+60
	AHP-590XEHC	0-G0I5-5-001	Heat/Cool	0.85	24	6.9	TC-7F	-20/+70	-10/+60
N E M A 4X	AHP-570X	0-G0F5-2-000	Cool Only	1.25	24	3.0	85°F (30°C)	-40/+70	-10/+60
	AHP-570XHC	0-G095-3-000	Heat/Cool †	1.25	24	3.0	None*	-40/+70	-10/+60
	AHP-570XHC	0-G0I5-3-000	Heat/Cool	1.25	24	3.0	TC-7F	-40/+70	-10/+60
	AHP-590X	0-G0F5-2-001	Cool Only	0.85	24	6.9	85°F (30°C)	-40/+70	-10/+60
	AHP-590XHC	0-G095-3-001	Heat/Cool †	0.85	24	6.9	None*	-40/+70	-10/+60
	AHP-590XHC	0-G0I5-3-001	Heat/Cool	0.85	24	6.9	TC-7F	-40/+70	-10/+60

* For controller options contact TECA

† Heating function via reverse polarity (controller dependent)

AHP-500

PERFORMANCE CURVE



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

Ambient Temp	20°C	60°C
AHP-570	$y = -.29x - 25.8$	$y = -.29x - 27$
AHP-590	$y = -.25x - 32.5$	$y = -.25x - 35$

MOUNTING STYLE

Thru Mount

ENVIRONMENTS SERVED

NEMA-12 IP 52
NEMA-4,4X IP 56

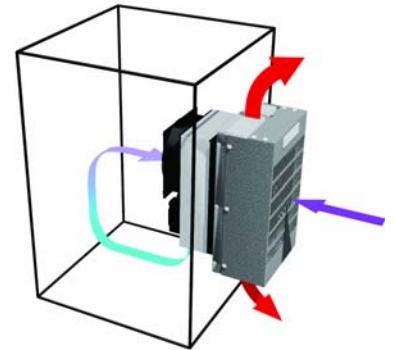
RATING (TRADITIONAL)

AHP-570 303 BTU/hr @ 0 °F ΔT
432 BTU/hr @ +20 °F ΔT
AHP-590 460 BTU/hr @ 0 °F ΔT
593 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

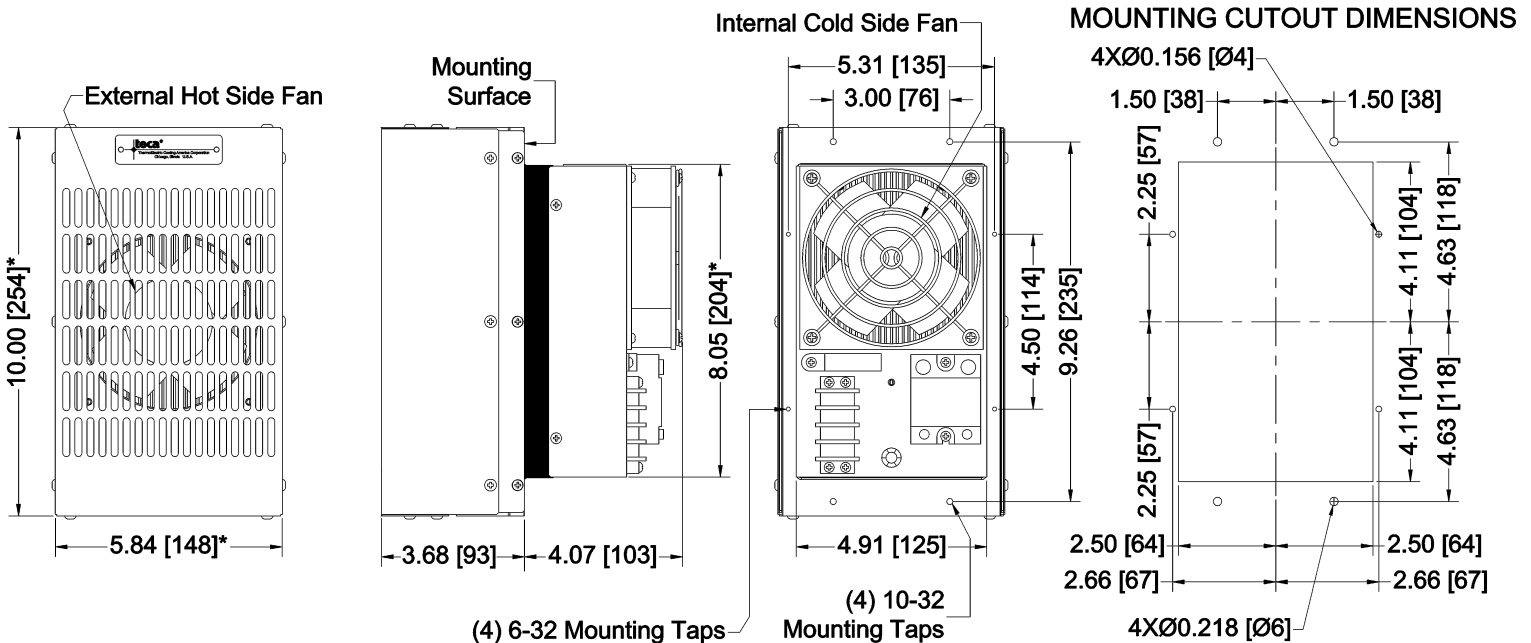
AHP-570 90 Watts L35 L35
40 Watts L35 L50
AHP-590 137 Watts L35 L35
75 Watts L35 L50

* See page 10



Air Flow Pattern

DIMENSIONS



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