

AHP-400 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

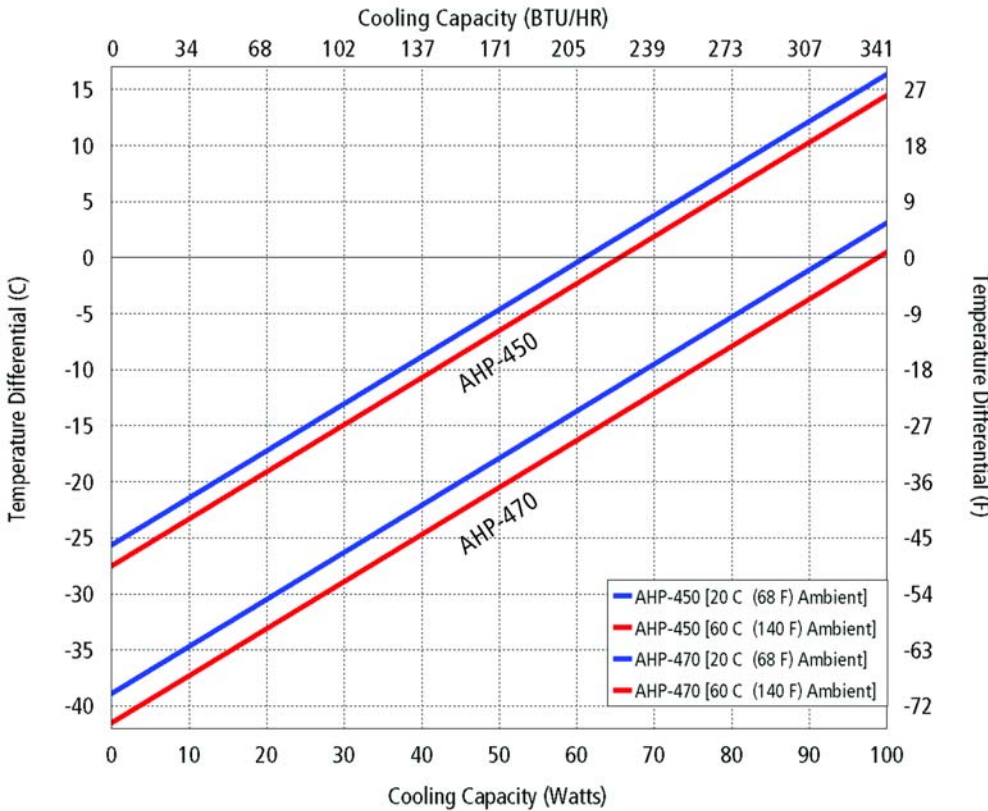
| | MODEL | PART NUMBER | NOTES | COP @ 0 °C ΔT L35 L35 | VOLTAGE VDC | CURRENT AMPS. | TEMP. CONTROL | OPERATING AMBIENT TEMPERATURE RANGE °C | OPERATING ENCLOSURE TEMPERATURE RANGE °C |
|------------------------|-------------|--------------|-------------|--------------------------|----------------|------------------|------------------|-------------------------------------------------|---------------------------------------------------|
| N E M A 12 | AHP-450 | 0-F0F5-0-000 | Cool Only | 1.12 | 24 | 2.3 | 85°F (30°C) | -10/+70 | -10/+60 |
| | AHP-450HC | 0-F095-1-000 | Heat/Cool † | 1.12 | 24 | 2.3 | None* | -10/+70 | -10/+60 |
| | AHP-450HC | 0-F0I5-1-000 | Heat/Cool | 1.12 | 24 | 2.3 | TC-7F | -10/+70 | -10/+60 |
| | AHP-470 | 0-F0F5-0-001 | Cool Only | 0.56 | 24 | 7 | 85°F (30°C) | -10/+70 | -10/+60 |
| | AHP-470HC | 0-F095-1-001 | Heat/Cool † | 0.56 | 24 | 7 | None* | -10/+70 | -10/+60 |
| | AHP-470HC | 0-F0I5-1-001 | Heat/Cool | 0.56 | 24 | 7 | TC-7F | -10/+70 | -10/+60 |
| N E M A 4 | AHP-450XE | 0-F0F5-4-000 | Cool Only | 1.12 | 24 | 2.3 | 85°F (30°C) | -20/+70 | -10/+60 |
| | AHP-450XEHC | 0-F095-5-000 | Heat/Cool † | 1.12 | 24 | 2.3 | None* | -20/+70 | -10/+60 |
| | AHP-450XEHC | 0-F0I5-5-000 | Heat/Cool | 1.12 | 24 | 2.3 | TC-7F | -20/+70 | -10/+60 |
| | AHP-470XE | 0-F0F5-4-001 | Cool Only | 0.56 | 24 | 7 | 85°F (30°C) | -20/+70 | -10/+60 |
| | AHP-470XEHC | 0-F095-5-001 | Heat/Cool † | 0.56 | 24 | 7 | None* | -20/+70 | -10/+60 |
| | AHP-470XEHC | 0-F0I5-5-001 | Heat/Cool | 0.56 | 24 | 7 | TC-7F | -20/+70 | -10/+60 |
| N E M A 4X | AHP-450X | 0-F0F5-2-000 | Cool Only | 1.12 | 24 | 2.3 | 85°F (30°C) | -40/+70 | -10/+60 |
| | AHP-450XHC | 0-F095-3-000 | Heat/Cool † | 1.12 | 24 | 2.3 | None* | -40/+70 | -10/+60 |
| | AHP-450XHC | 0-F0I5-3-000 | Heat/Cool | 1.12 | 24 | 2.3 | TC-7F | -40/+70 | -10/+60 |
| | AHP-470X | 0-F0F5-2-001 | Cool Only | 0.56 | 24 | 7 | 85°F (30°C) | -40/+70 | -10/+60 |
| | AHP-470XHC | 0-F095-3-001 | Heat/Cool † | 0.56 | 24 | 7 | None* | -40/+70 | -10/+60 |
| | AHP-470XHC | 0-F0I5-3-001 | Heat/Cool | 0.56 | 24 | 7 | TC-7F | -40/+70 | -10/+60 |

* For controller options contact TECA

† Heating function via reverse polarity (controller dependent)

AHP-400

PERFORMANCE CURVE



| Equation of Line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$ | | |
|---------------------------------------------------------------------------|-------------------|-------------------|
| Ambient Temp | 20°C | 60°C |
| AHP-450 | $y = .42x - 25.6$ | $y = .42x - 27.5$ |
| AHP-470 | $y = .42x - 38.9$ | $y = .42x - 41.5$ |

MOUNTING STYLE

Thru Mount

ENVIRONMENTS SERVED

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

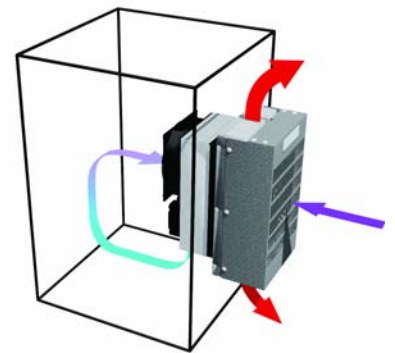
RATING (TRADITIONAL)

AHP-450 207 BTU/hr @ 0 °F ΔT
297 BTU/hr @ +20 °F ΔT
AHP-470 315 BTU/hr @ 0 °F ΔT
405 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

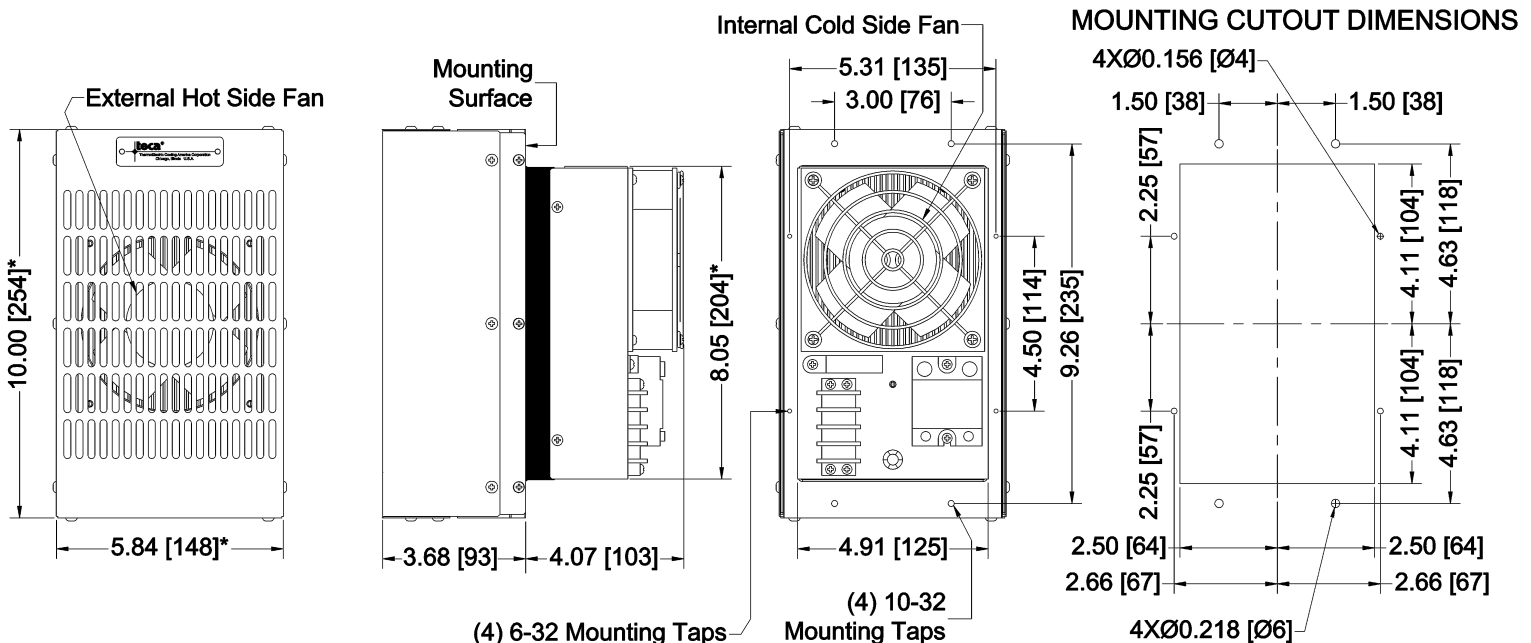
AHP-450 62 Watts L35 L35
28 Watts L35 L50
AHP-470 95 Watts L35 L35
62 Watts L35 L50

* 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]