# AHP-1501 | Air Conditioner

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

24 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 | 24 VDC |
| Current, Active | 18 AMPS |
| Current, ECO-Mode | 1.9 AMPS |

## PERFORMANCE RATINGS

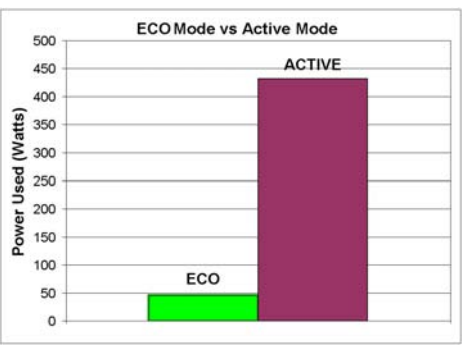
| | |
|---|---|
| Cooling (Traditional) | 1000 BTU/HR |
| Cooling (Din 3168) | 300 WATTS |
| Cooling COP (at L35 L35) | 0.70 |
| Heating (Traditional) | > 1473 BTU/HR |
| Heating (Din 3168) | > 432 WATTS |
| Heating COP | > 1.0 |

## 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

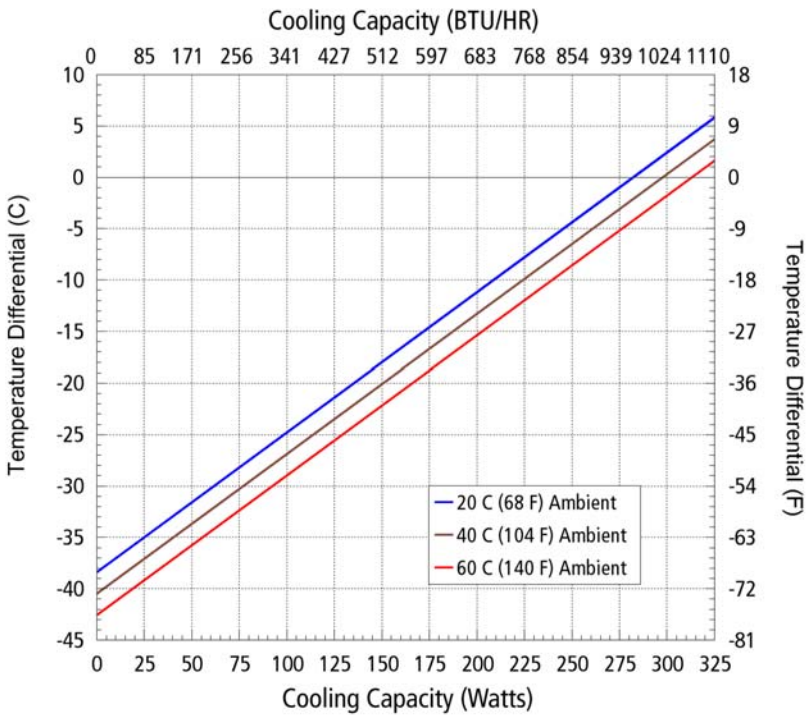
| MODEL | PART NUMBER | NOTES | TEMPERATURE CONTROL | ENVIRONMENT |
|---|---|---|---|---|
| AHP-1501 | 0-2185-0-000 | Cool only | TC-6F | NEMA-12, IP 52 |
| AHP-1501 | 0-21F5-0-000 | Cool only | TC-1F | NEMA-12, IP 52 |
| AHP-1501 | 0-2155-0-000 | Cool only | EXT* | NEMA-12, IP 52 |
| AHP-1501HC | 0-2135-1-000 | Cool only | TC-3F | NEMA-12, IP 52 |
| AHP-1501HC | 0-21I5-1-000 | Heat/Cool | TC-7F | NEMA-12, IP 52 |
| AHP-1501HC | 0-2155-1-000 | Heat/Cool | EXT* | NEMA-12, IP 52 |
| AHP-1501HC | 0-21H5-1-000 | Heat/Cool | TC-4600 | NEMA-12, IP 52 |

| MODEL | PART NUMBER | NOTES | TEMPERATURE CONTROL | ENVIRONMENT |
|---|---|---|---|---|
| AHP-1501XE | 0-2185-4-000 | Cool only | TC-6F | NEMA-4/4X, IP 56 |
| AHP-1501XE | 0-21F5-4-000 | Cool only | TC-1F | NEMA-4/4X, IP 56 |
| AHP-1501XE | 0-2155-4-000 | Cool only | EXT* | NEMA-4/4X, IP 56 |
| AHP-1501XEHC | 0-2135-5-000 | Cool only | TC-3F | NEMA-4/4X, IP 56 |
| AHP-1501XEHC | 0-21I5-5-000 | Heat/Cool | TC-7F | NEMA-4/4X, IP 56 |
| AHP-1501XEHC | 0-2155-5-000 | Heat/Cool | EXT* | NEMA-4/4X, IP 56 |
| AHP-1501XEHC | 0-21H5-5-000 | Heat/Cool | TC-4600 | 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)**

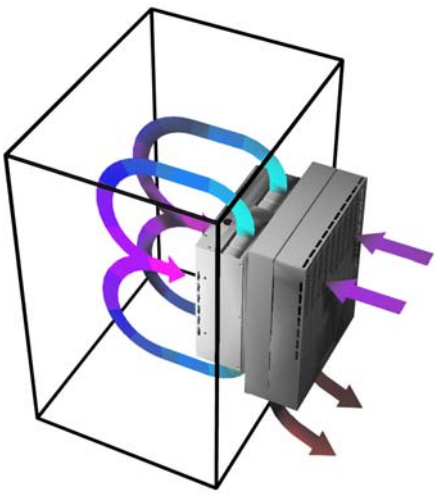
1000 BTU/hr @ 0 °F ΔT

1300 BTU/hr @ +20 °F ΔT

**RATING (DIN 3168)**

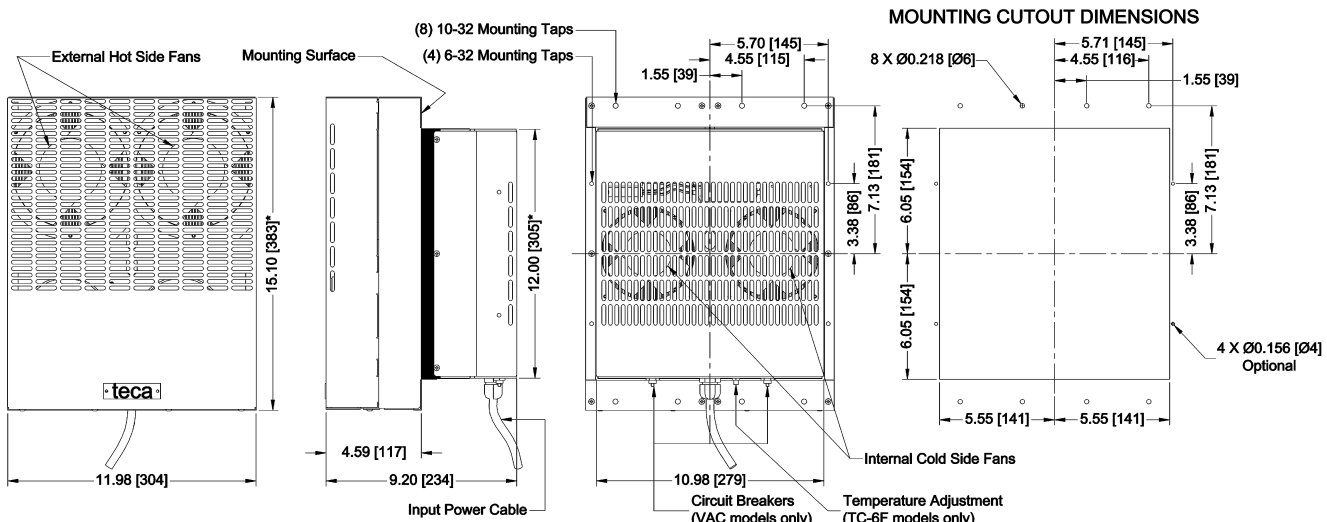
300 Watts L35 L35

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]