# FHP-1501 | Air Conditioner

Air Cooled
Flush Mounted
NEMA-12, NEMA-4/4X

48 VDC Input
950 BTU/HR



## FEATURES

- Externally mounted (no intrusion)
- Mounts in multi-unit array for incremental capacity
- Compact (only 15" X 12" X 9")
- Mounts in any orientation (condensate control may not work properly in all orientations)
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Custom finishes
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 55 LBS.

## POWER INPUTS

| | |
|---|---|
| Voltage | 48 VDC |
| Current, Active | 9 AMPS |

## 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 |

## PERFORMANCE RATINGS

| | |
|---|---|
| Cooling (Traditional) | 950 BTU/HR |
| Cooling (Din 3168) | 278 WATTS |
| Cooling COP (at L35 L35) | 0.64 |
| Heating (Traditional) | 1470 BTU/HR |
| Heating (Din 3168) | 430 WATTS |
| Heating COP (at L35 L35) | > 1.0 |

## INCLUDES

- Mounting gasket and hardware
- Power input leads
- Condensate control system

**250 VDC configuration for crane applications available**

## CONFIGURATIONS

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

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

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

# FHP-1501

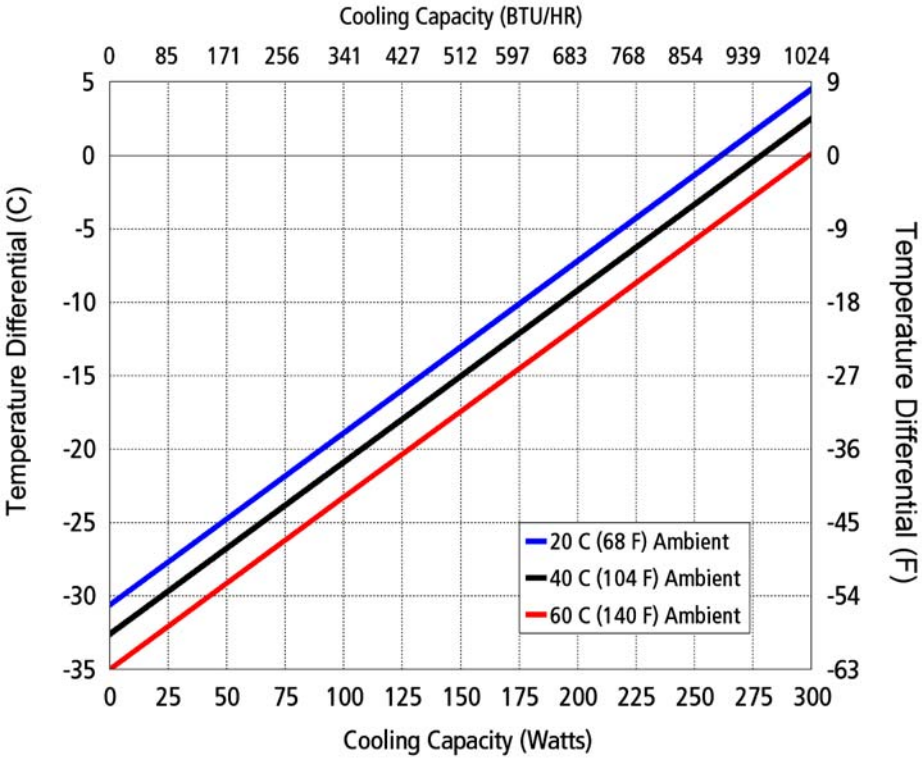
**MOUNTING STYLE**
Flush Mounted

**ENVIRONMENTS SERVED**
NEMA-12 IP 52
NEMA-4/4X IP 56

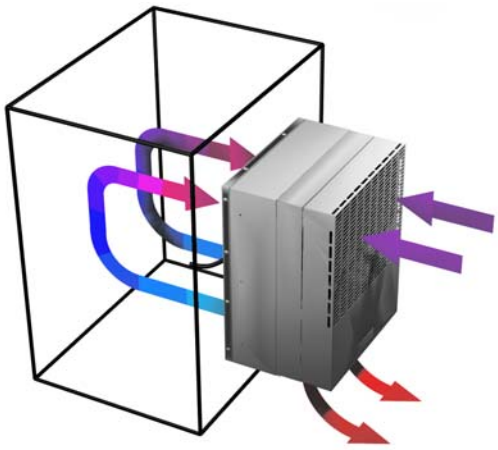
**RATING (TRADITIONAL)**
950 BTU/hr @ 0 °F ΔT

**RATING (DIN 3168)**
278 Watts L35 L35
162 Watts L35 L50

## PERFORMANCE CURVE

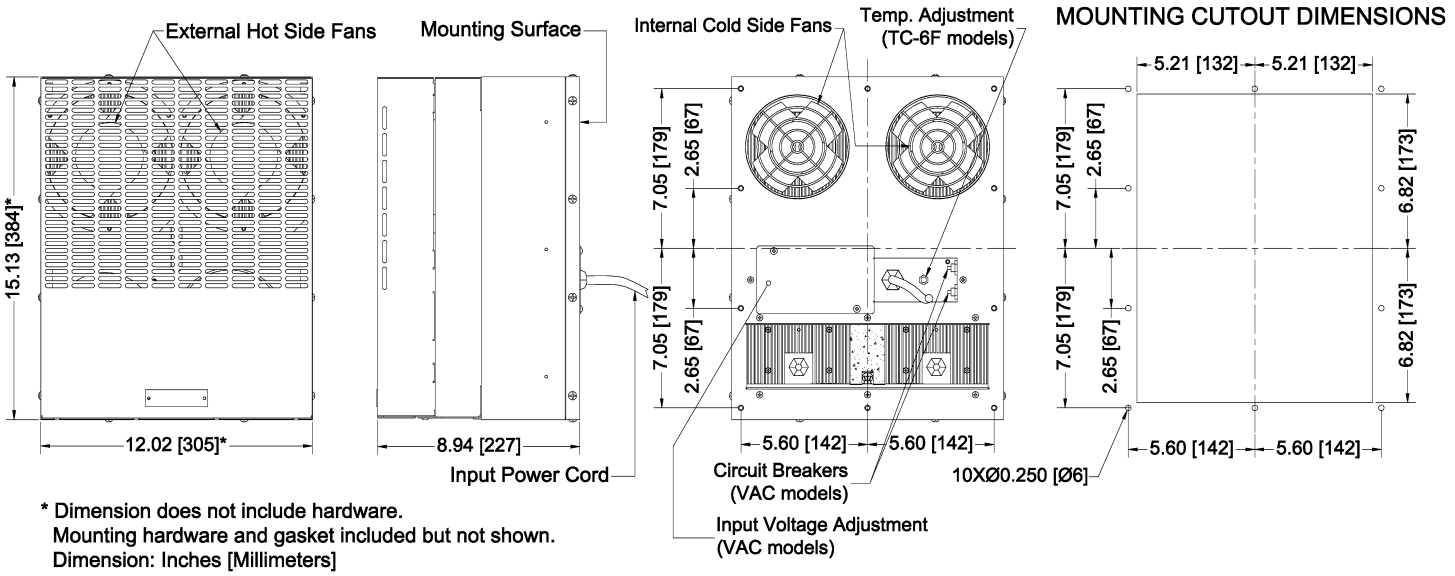



| Equation of line: y=ΔT(°C) x=Capacity (Watts) | | | |
|---|---|---|---|
| **Ambient Temp** | **20°C** | **40°C** | **60°C** |
| Enclosure Air | y=.117x-30.6 | y=.117x-32.6 | y=.117x-35.0 |
| Cold Sink | y=.093x-30.6 | y=.093x-32.6 | y=.093x-35.0 |



Air Flow Pattern

## DIMENSIONS




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