

AHP-1802XP

European

Air Cooled
Through Mounted

Hazardous Location

Air Conditioner

950 BTU/HR

FEATURES

- Designed for European Zone 1 and Zone 2
- Compact (24" L X 12.35" W X 19.9" D)
- Weighs approximately 100 lbs. (45 kg)
- Heavy gauge aluminum and stainless steel construction
- Ambient temperature up to +50°C
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Integral power supply
- Environmentally safe
- Mounts and operates in any orientation

CONTROL TEMPERATURES

Active Cooling (TC-6F)	25 °C or 35 °C
Active Cooling (TC-3F)	35 °C
Active Heating	10 °C
Typical Hysteresis	5 °C
Operating Ambient	-40/+50 °C
Operating Enclosure	-10/+60 °C

POWER INPUTS

Voltage	240 VAC
Current, Active	5.3 AMPS
Frequency	50/60 Hz

PERFORMANCE RATINGS

Cooling (Traditional)	950 BTU/HR
Cooling (Din 3168)	280 WATTS
Heating (Traditional)	< 1300 BTU/HR
Heating (Din 3168)	< 400 WATTS
Weight	98 LBS.



INCLUDES

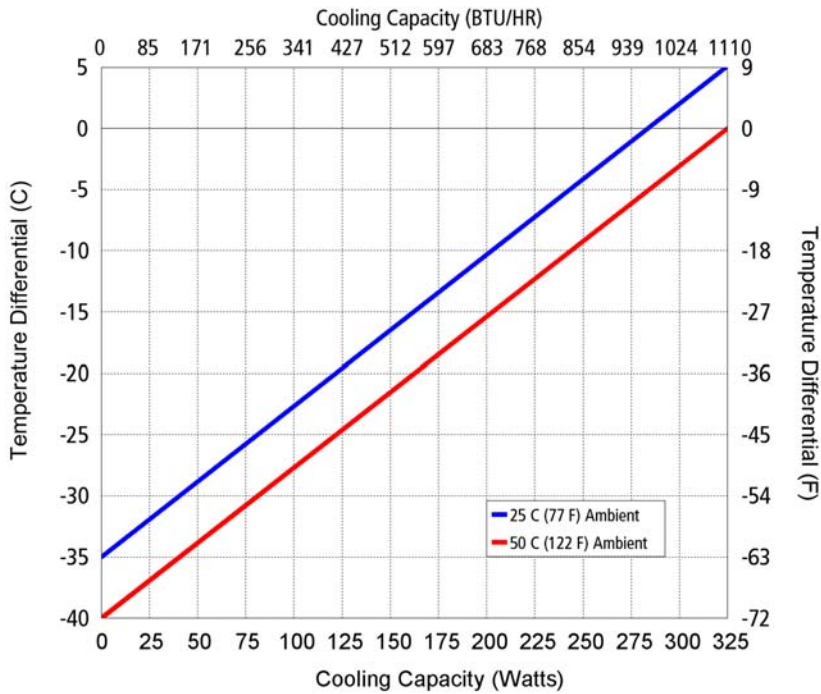
- Semi-Centrifugal duct fan, DN 220, AC, explosion proof, zones 1 and 2
- Integral linear power supply
- TC-6F, adjustable, cool only controller
- TC-3F, heat/cool, controller available
- Versions for customer supplied control
- Gasket and mounting hardware included
- Power input line cord

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL
AHP-1802XP	0-0182-2-007	Cool only	TC-6F
AHP-1802XP	0-0172-2-009	Cool Only	EXT*
AHP-1802XPHC	0-0132-3-008	Heat/Cool	TC-3F
AHP-1802XPHC	0-0172-3-010	Heat/Cool	EXT*

* Unit is controlled by a separate 5-32 VDC external signal, relay(s) included

PERFORMANCE CURVE



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

Ambient Temp	25°C	50°C
Enclosure Air	$y = .123x - 35.0$	$y = .123x - 40.0$
Cold Sink	$y = .09x - 35.0$	$y = .09x - 40.0$

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MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

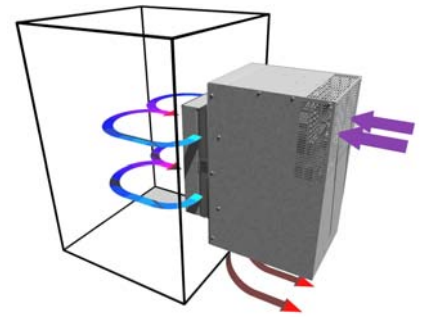
IP54
Zone 1, Zone 2
Ex II 2 G
T3

RATING (TRADITIONAL)

950 BTU/hr @ 0 °F ΔT
1210 BTU/hr @ +20 °F ΔT

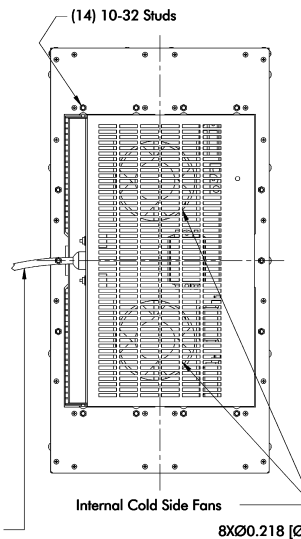
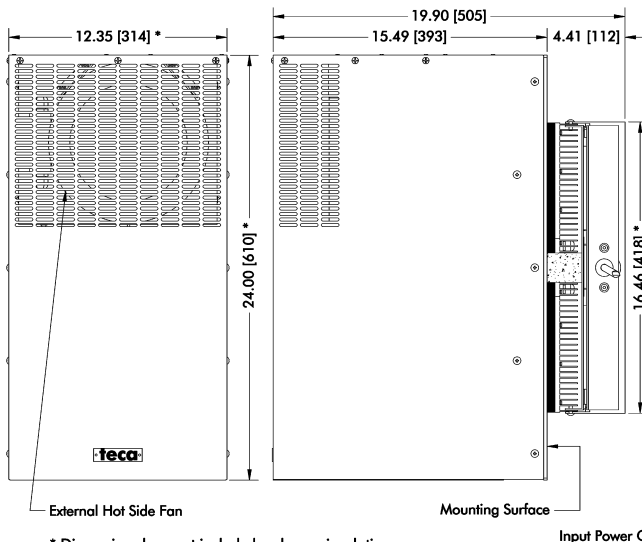
RATING (DIN 3168)

280 Watts L35 L35
160 Watts L35 L50

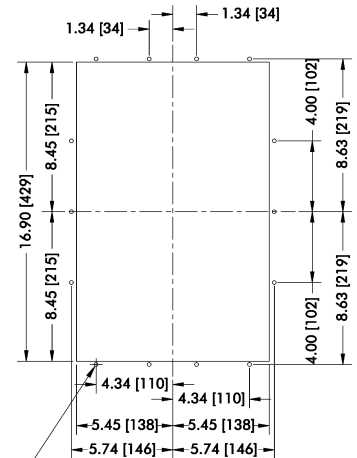


Air Flow Pattern

DIMENSIONS



MOUNTING CUTOUT DIMENSIONS



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