

AHP-4259

Air Conditioner/Heat Exchanger

Air Cooled
Through Mounted
Nema-12, 4, 4X

100-240 VAC Input
High Capacity
3410 BTU/HR

FEATURES

- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (ECO-Mode)
- Heavy duty full perimeter mounting
- Lower profile intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 110 LBS.

CONTROL TEMPERATURES

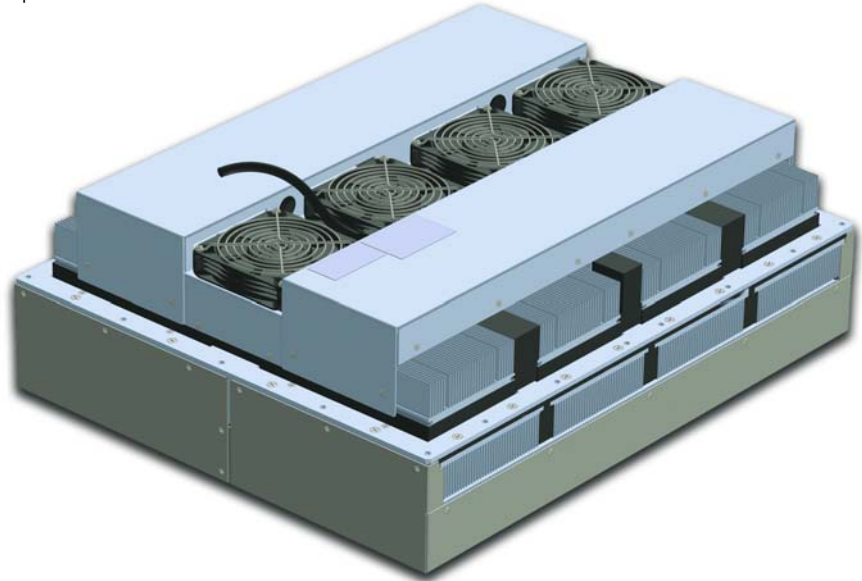
Active Cooling	35 °C
Heat Exchanger (ECO-Mode)	25 °C
Active Heating	10 °C
Typical Hysteresis	5 °C
Operating Ambient	-40/+65 °C
Operating Enclosure	-10/+60 °C

POWER INPUTS

Input Voltage	100 - 240 VAC
Current, Active	15 - 6.5 AMPS
Alternate Input Voltage	127 - 374 VDC
Current , ECO-Mode	1 AMP
Frequency	47 - 63 / 440 Hz
Power Consumption	1500 Watts

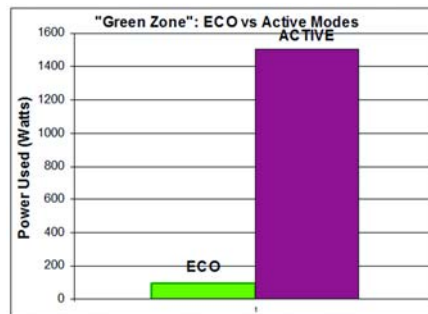
PERFORMANCE RATINGS

Cooling (Traditional)	3410 BTU/HR
Cooling (Din 3168)	1000 WATTS
Cooling COP (at L35 L35)	0.67
Heating (Traditional)	> 5100 BTU/HR
Heating (Din 3168)	> 1500 WATTS
Heating COP	> 1.0
Heat Exchanger (ECO-Mode)	12.5 W/°C



INCLUDES

- Power supply
- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input cord
- Circuit breaker



200 - 277 VAC (254 - 420 VDC) Versions available

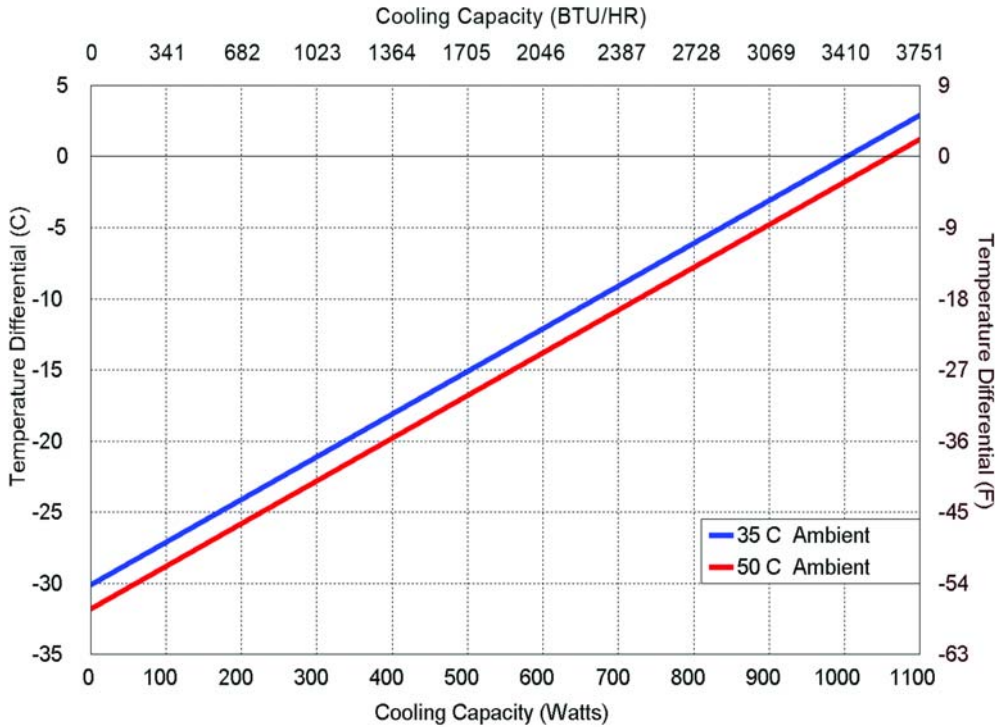
CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-4259	0-J5JB-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
AHP-4259	0-J55B-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-4259HC	0-J512B1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
AHP-4259HC	0-J55B-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-4259XE	0-J5JB-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4, IP 56
AHP-4259XE	0-J55B-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4, IP 56
AHP-4259XEHC	0-J5IB-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4, IP 56
AHP-4259XEHC	0-J55B-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4, IP 56
AHP-4259XEHC†	0-J5LB-5-000	Heat/Cool, sealed hot side fans & power supply	TC-5300D	NEMA-4, IP 56

† Precise temperature control model

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

PERFORMANCE CURVE



Equation of line: $y = \Delta T(^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$		
Ambient Temp	35°C	50°C
Enclosure Air	$y = .03x - 30.1$	$y = .030x - 31.8$
Cold Sink	$y = .023x - 30.1$	$y = .023x - 31.8$

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MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

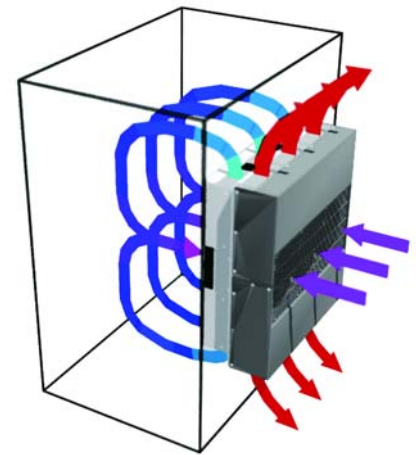
RATING (TRADITIONAL)

3410 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

1000 Watts L35 L35

560 Watts L35 L50



Air Flow Pattern

DIMENSIONS

