

AHP-2252

Air Conditioner/Heat Exchanger

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

240 VAC Input
High Capacity
2060 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
- Compact
- 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 60 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

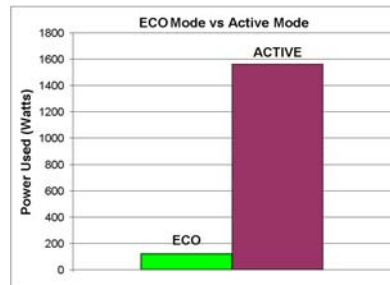
Voltage	240 VAC
Current, Nominal Cool Mode	6.5 AMPS
Circuit Breaker, Cool Mode Max.	10 AMPS
Current, Nominal Heat Mode	7.5 AMPS
Circuit Breaker, Heat Mode Max.	15 AMPS
Current , ECO-Mode	0.5 AMPS
Frequency	50/60 Hz

PERFORMANCE RATINGS

Cooling (Traditional)	2060 BTU/HR
Cooling (Din 3168)	605 WATTS
Cooling COP (at L35 L35)	0.4
Heating (Traditional)	> 5320 BTU/HR
Heating (Din 3168)	> 1560 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



250 VDC configuration for crane applications available

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-2252	0-H5J2-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
AHP-2252	0-H552-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-2252HC	0-H5I2-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
AHP-2252HC	0-H552-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-2252XE	0-H5J2-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4, IP 56
AHP-2252XE	0-H552-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4, IP 56
AHP-2252XEHC	0-H5I2-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4, IP 56
AHP-2252XEHC	0-H552-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4, IP 56
AHP-2252X	0-H5J2-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X, IP 56
AHP-2252X	0-H552-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X, IP 56
AHP-2252XHC	0-H5I2-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X, IP 56
AHP-2252XHC	0-H552-3-000	Heat/Cool, Mil. grade hot side fans & power supply	EXT*	NEMA-4X, IP 56

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

AHP-2252

MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

RATING (TRADITIONAL)

2060 BTU/hr @ 0 °F ΔT

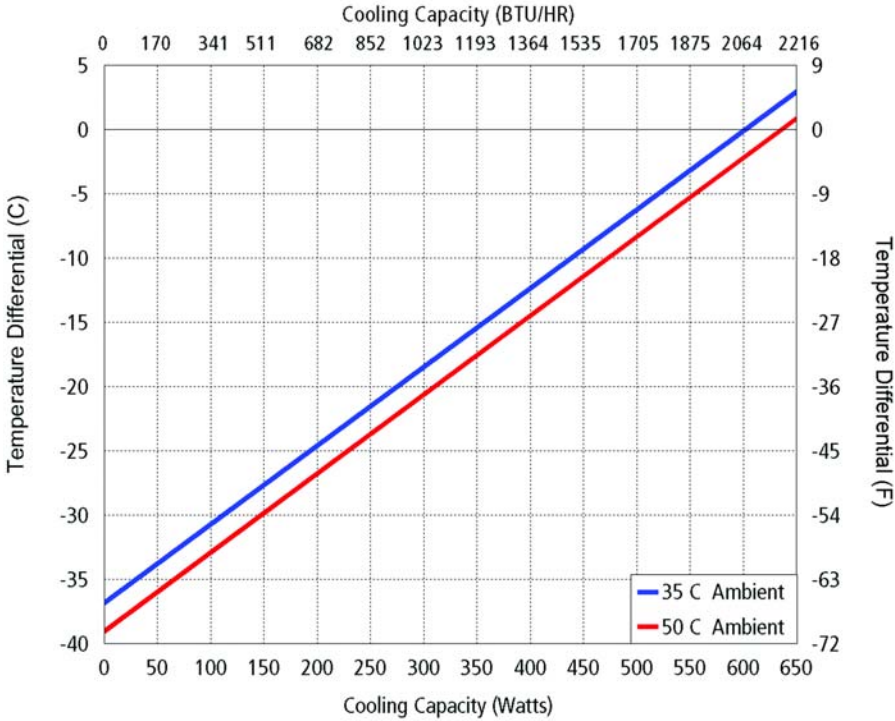
2680 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

605 Watts L35 L35

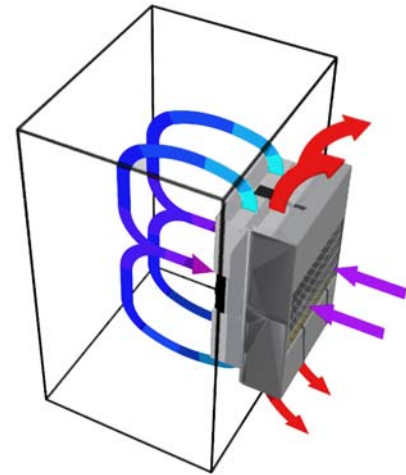
395 Watts L35 L50

PERFORMANCE CURVE



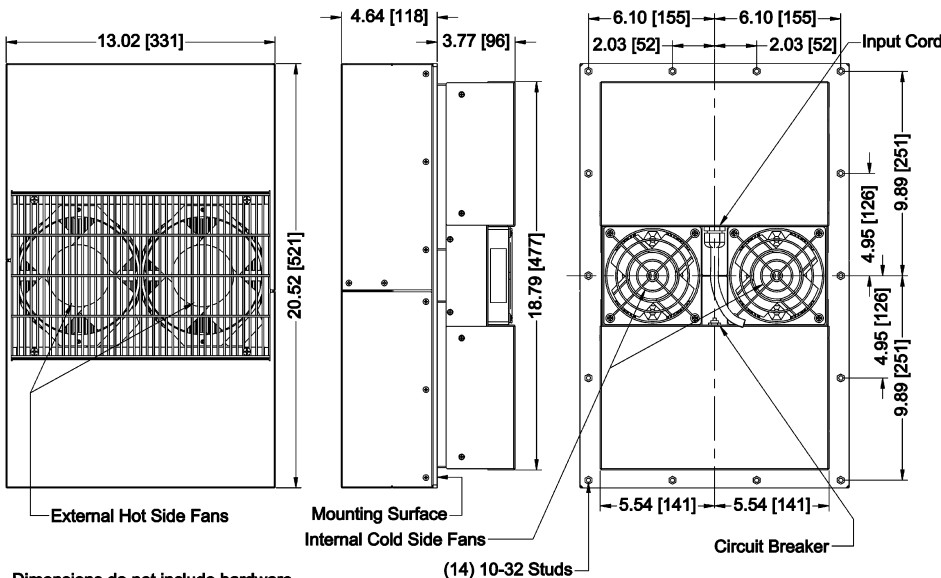
Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	35°C	50°C
Enclosure Air	$y = .061x - 36.9$	$y = .061x - 39$
Cold Sink	$y = .045x - 36.9$	$y = .045x - 39$

Temperature Differential (F)

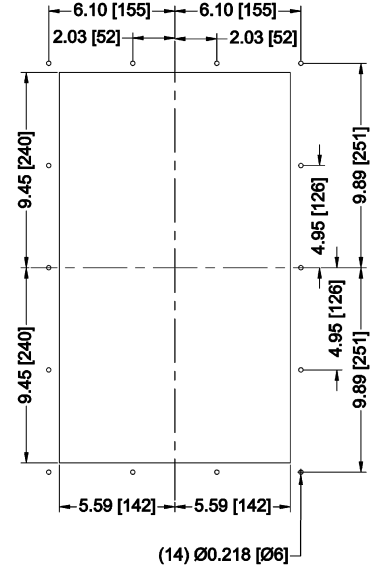


Air Flow Pattern

DIMENSIONS



MOUNTING CUTOUT DIMENSIONS



Dimensions do not include hardware
Mounting hardware and gasket included but not shown
Dimensions: Inches [Millimeters]