

AHP-6254

Air Conditioner/Heat Exchanger

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

3 Phase, 208 VAC, 4 Wire Wye
High Capacity
4545 BTU/HR

FEATURES

- High capacity thermoelectric design
- Power saving air to air heat exchanger (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 180 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, 3 Phase wYE	208 VAC
Current, Active	5.5 AMPS
Current , ECO-Mode	1.5 AMP
Frequency	50/60 Hz

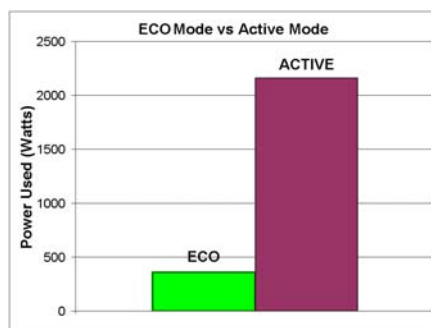
PERFORMANCE RATINGS

Cooling (Traditional)	4545 BTU/HR
Cooling (Din 3168)	1333 WATTS
Cooling COP (at L35 L35)	0.67
Heating (Traditional)	> 6700 BTU/HR
Heating (Din 3168)	> 1979 WATTS
Heating COP	> 1.0
Heat Exchanger (ECO-mode)	40 W/°C



INCLUDES

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



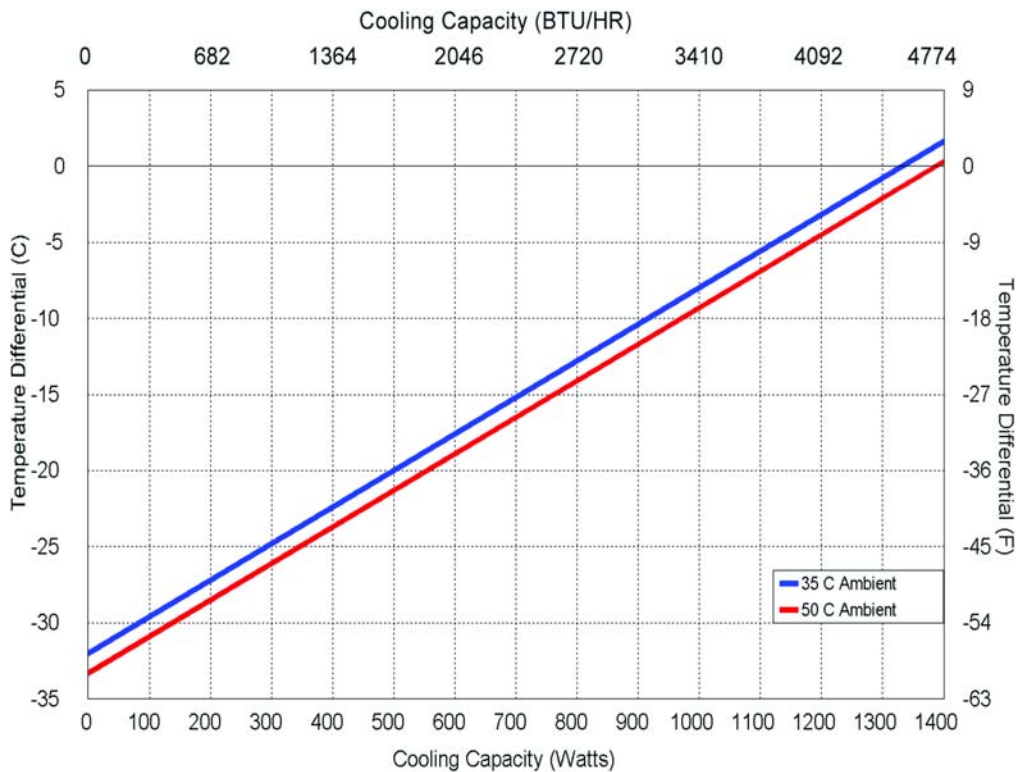
250 VDC configuration for crane applications available

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
AHP-6254	0-K4JE-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
AHP-6254	0-K45E-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-6254HC	0-K4IE-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
AHP-6254HC	0-K45E-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-6254XE	0-K4JE-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4/4X, IP 56
AHP-6254XE	0-K45E-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
AHP-6254XEHC	0-K4IE-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4/4X, IP 56
AHP-6254XEHC	0-K45E-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
AHP-6254X	0-K4JE-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X/Harsh, IP 56
AHP-6254X	0-K45E-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56
AHP-6254XHC	0-K4IE-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X/Harsh, IP 56
AHP-6254XHC	0-K45E-3-000	Heat/Cool, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56

* 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	$y = .024x - 32$	$y = .024x - 33.3$
Cold Sink	$y = .015x - 32$	$y = .015x - 33.3$

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MOUNTING STYLE

Through Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

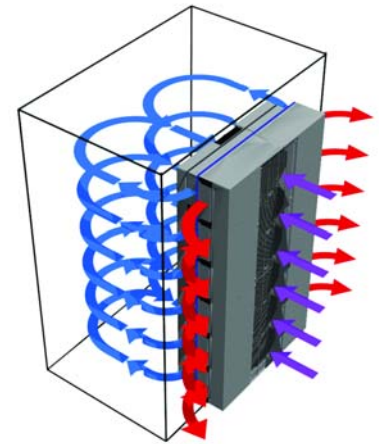
RATING (TRADITIONAL)

4545 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

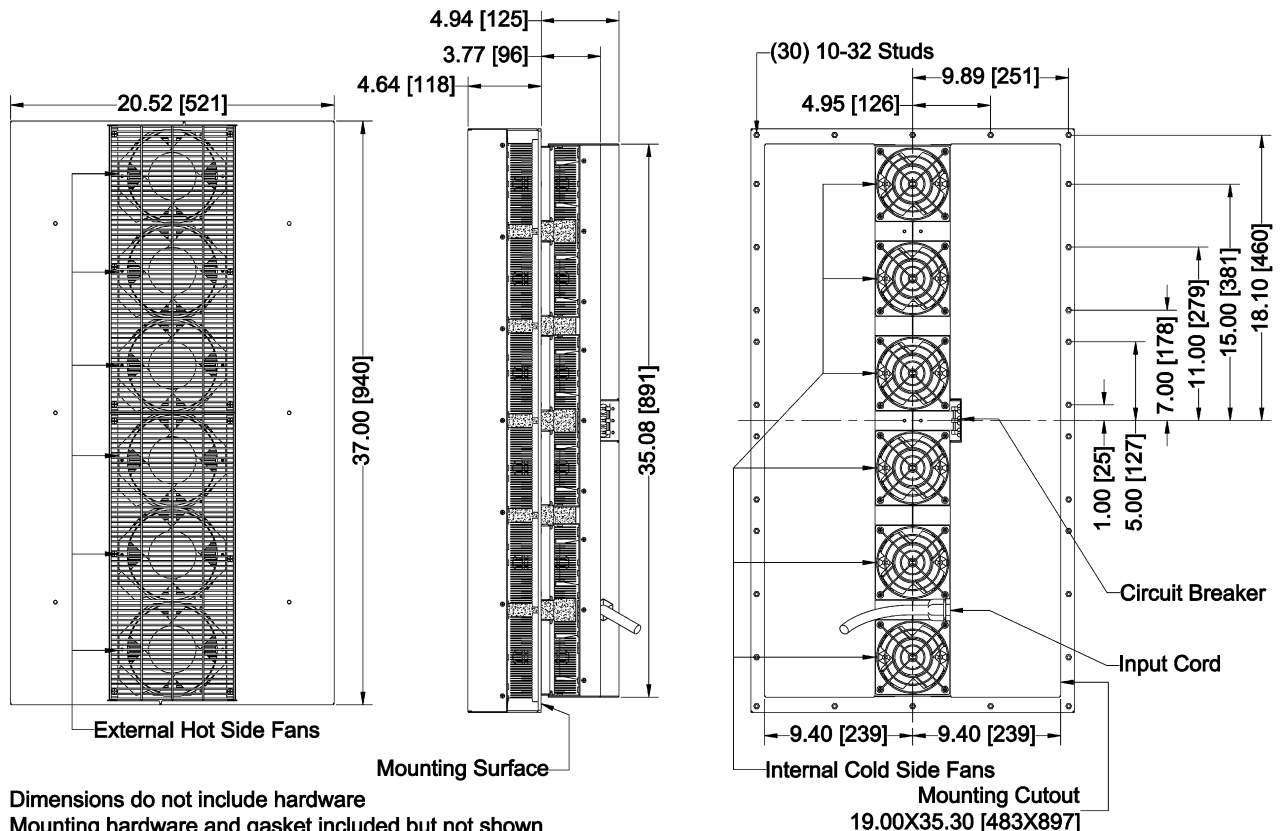
1333 Watts L35 L35

762 Watts L35 L50



Air Flow Pattern

DIMENSIONS



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