

# AHP-6253

# Air Conditioner/Heat Exchanger

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

3 Phase, 240 VAC, 3 Wire Delta  
High Capacity  
5080 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

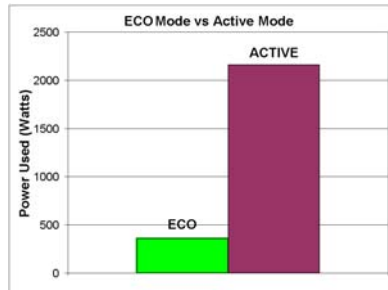
Voltage, 3 Phase Delta	240 VAC
Current, Active	5.5 AMPS
Current , ECO-Mode	1.5 AMP
Frequency	50/60 Hz

## PERFORMANCE RATINGS

Cooling (Traditional)	5080 BTU/HR
Cooling (Din 3168)	1490 WATTS
Cooling COP (at L35 L35)	0.65
Heating (Traditional)	> 7800 BTU/HR
Heating (Din 3168)	> 2290 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-6253	0-K4JD-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
AHP-6253	0-K45D-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-6253HC	0-K4ID-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
AHP-6253HC	0-K45D-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
AHP-6253XE	0-K4JD-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4/4X, IP 56
AHP-6253XE	0-K45D-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
AHP-6253XEHC	0-K4ID-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4/4X, IP 56
AHP-6253XEHC	0-K45D-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
AHP-6253X	0-K4JD-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X/Harsh, IP 56
AHP-6253X	0-K45D-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56
AHP-6253XHC	0-K4ID-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X/Harsh, IP 56
AHP-6253XHC	0-K45D-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

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## MOUNTING STYLE

Through Mounted

## ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

## RATING (TRADITIONAL)

5080 BTU/hr @ 0 °F ΔT

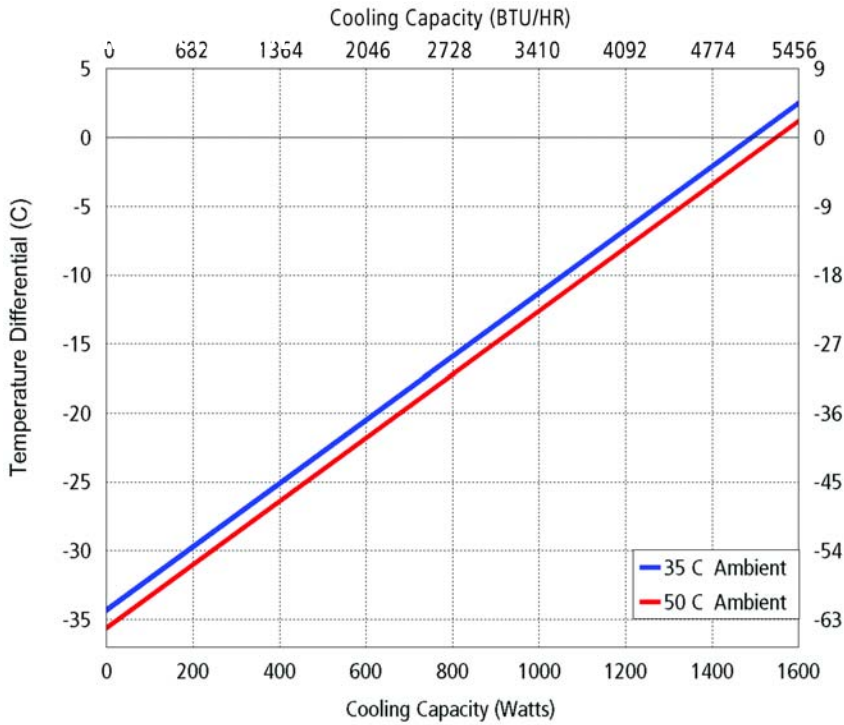
6730 BTU/hr @ +20 °F ΔT

## RATING (DIN 3168)

1490 Watts L35 L35

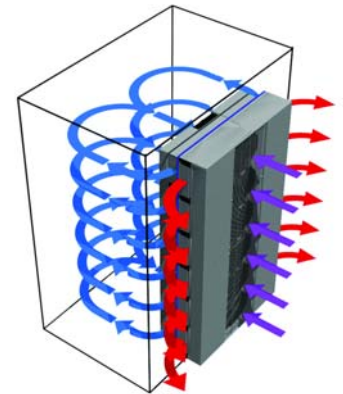
895 Watts L35 L50

## PERFORMANCE CURVE



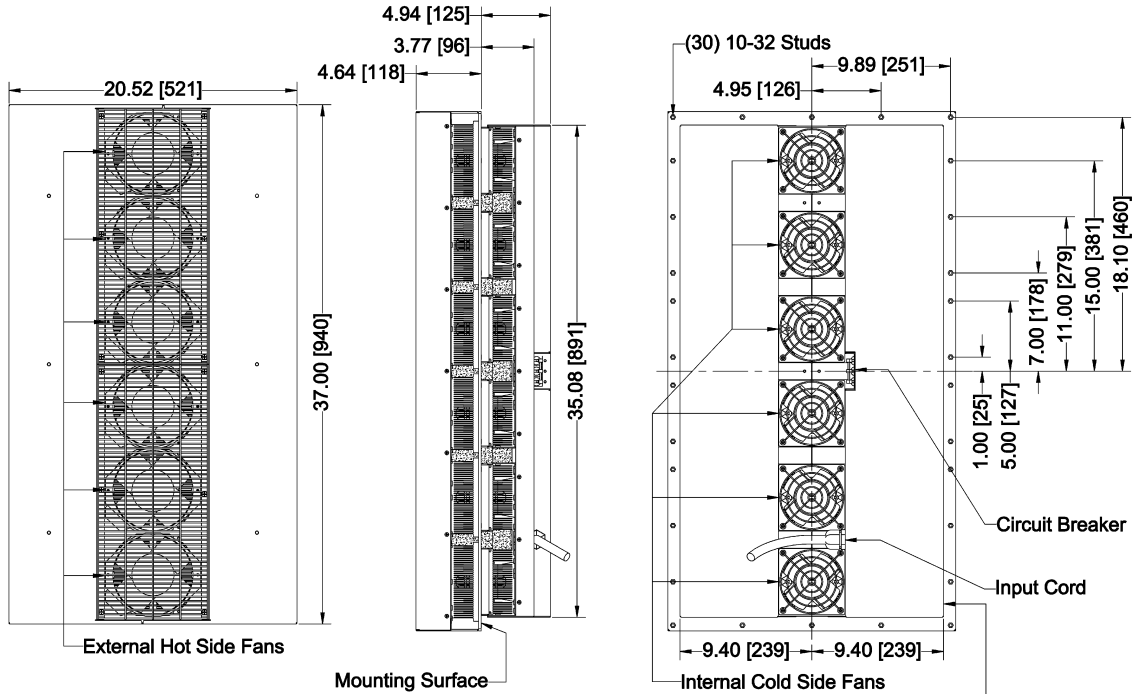
Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	35°C	50°C
Enclosure Air	$y = .023x - 34.3$	$y = .023x - 35.6$
Cold Sink	$y = .015x - 34.3$	$y = .015x - 35.6$

Temperature Differential (F)



Air Flow Pattern

## DIMENSIONS



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

Internal Cold Side Fans  
 Mounting Cutout  
 19.00X35.30 [483X897]