



## FHP-6250

## Air Conditioner/Heat Exchanger

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

48 VDC Input  
High Efficiency  
3750 BTU/HR

### FEATURES

- High capacity thermoelectric design
- Power saving air to air heat exchanger (ECO-mode)
- Heavy duty full perimeter mounting
- No 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 170 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	48 VDC
Current, Active	25 AMPS
Current , ECO-Mode	3.0 AMP

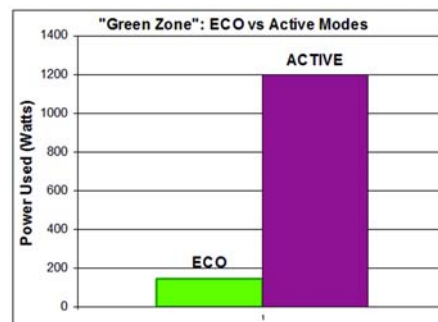
### PERFORMANCE RATINGS

Cooling (Traditional)	3750 BTU/HR
Cooling (Din 3168)	1100 WATTS
Cooling COP (at L35 L35)	0.92
Heating (Traditional)	> 3750 BTU/HR
Heating (Din 3168)	> 1100 WATTS
Heating COP	> 1.0
Heat Exchanger (ECO-mode)	45 W/°C



### INCLUDES

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



250 VDC configuration for crane applications available

### CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
FHP-6250	7-K4J6-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
FHP-6250	7-K456-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-6250HC	7-K4I6-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
FHP-6250HC	7-K456-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-6250XE	7-K4J6-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4/4X, IP 56
FHP-6250XE	7-K456-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-6250XEHC	7-K4I6-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4/4X, IP 56
FHP-6250XEHC	7-K456-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-6250X	7-K4J6-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X/Harsh, IP 56
FHP-6250X	7-K456-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56
FHP-6250XHC	7-K4I6-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X/Harsh, IP 56
FHP-6250XHC	7-K456-3-000	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

**FHP-6250****MOUNTING STYLE**

Flush Mounted

**ENVIRONMENTS SERVED**

NEMA-12 IP 52

NEMA-4,4X IP 56

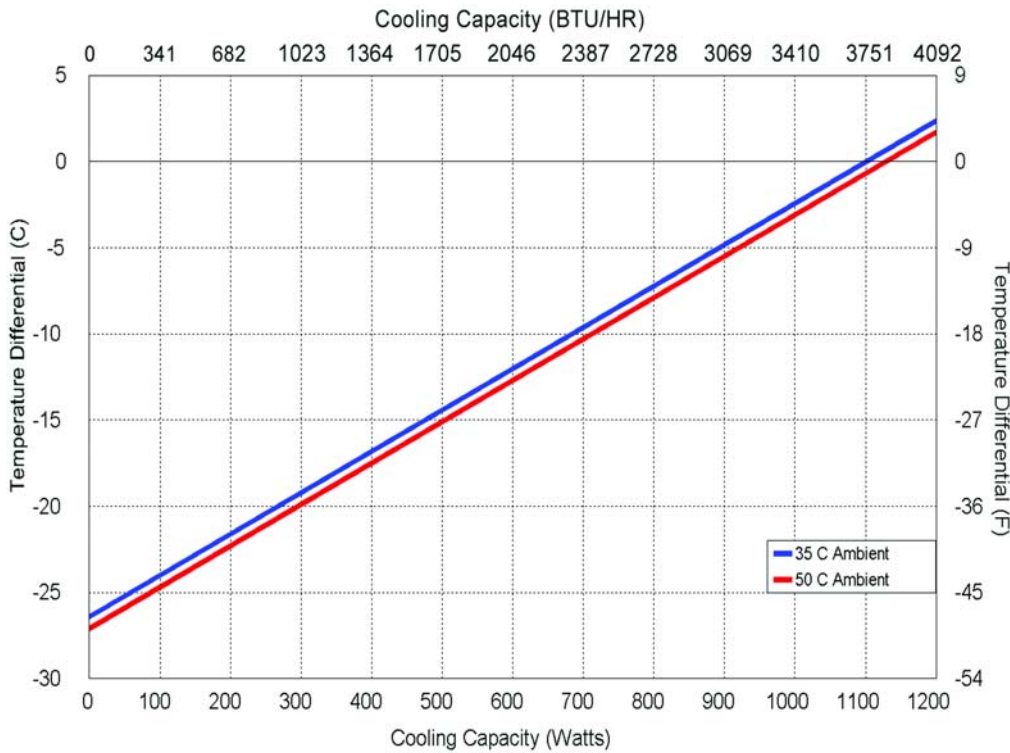
**RATING (TRADITIONAL)**

3750 BTU/hr @ 0 °F ΔT

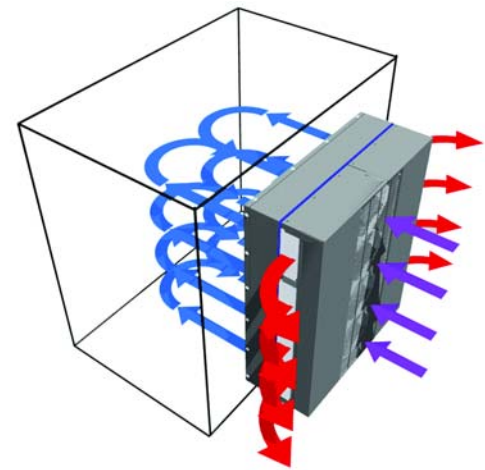
**RATING (DIN 3168)**

1100 Watts L35 L35

504 Watts L35 L50



Equation of line: $y = \Delta T(^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$		
Ambient	35 C	50 C
Enclosure Air	$y = .024x - 26.4$	$y = .024x - 27.1$
Cold Sink	$y = .019x - 26.4$	$y = .019x - 27.1$



Air Flow Pattern

**DIMENSIONS**