



FHP-2250

Air Conditioner/Heat Exchanger

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

48 VDC Input
High Efficiency
1250 BTU/HR

FEATURES

- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (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
- Compact (20.5" L X 13" W X 8.5" D)
- 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 66 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	8 AMPS
Current , ECO-Mode	0.9 AMP

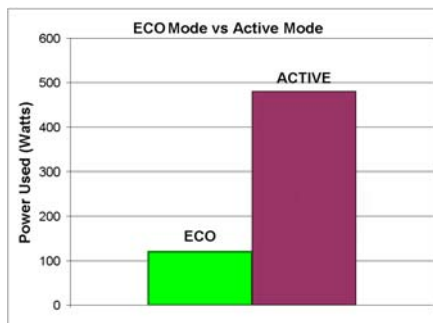
PERFORMANCE RATINGS

Cooling (Traditional)	1250 BTU/HR
Cooling (Din 3168)	367 WATTS
Cooling COP (at L35 L35)	1.02
Heating (Traditional)	> 1220 BTU/HR
Heating (Din 3168)	> 367 WATTS
Heating COP	> 1.02
Heat Exchanger (ECO-Mode)	12.5 W/°C



INCLUDES

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



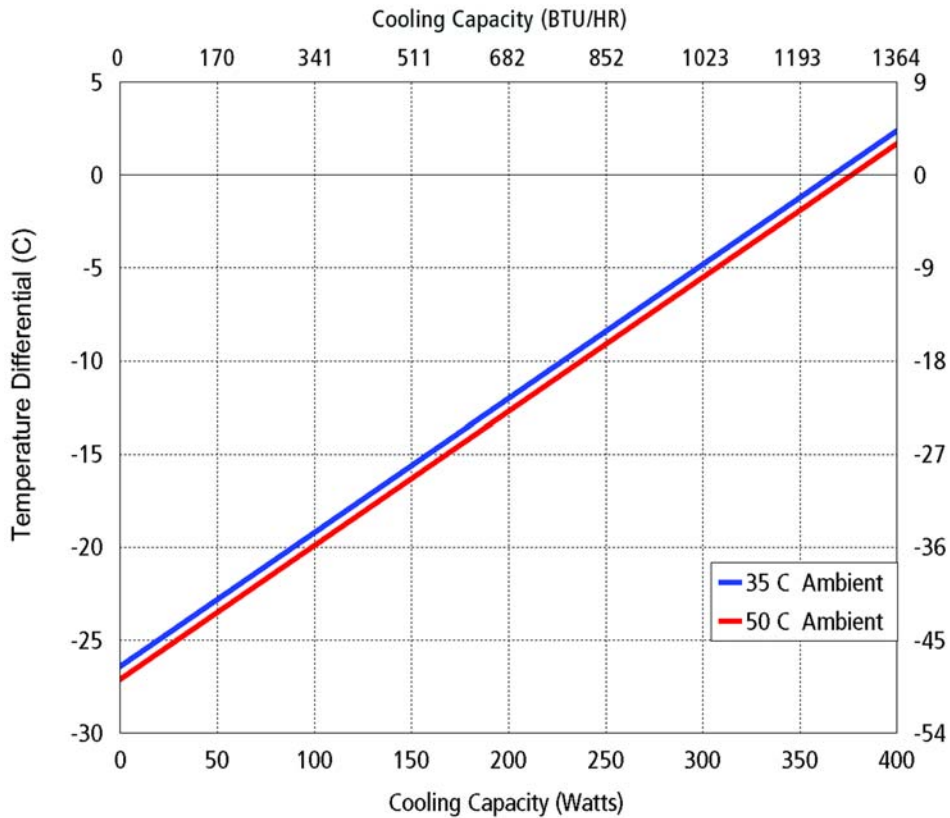
250 VDC configuration for crane applications available

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
FHP-2250	7-H4J6-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
FHP-2250	7-H456-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-2250HC	7-H4I6-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
FHP-2250HC	7-H456-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-2250XE	7-H4J6-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4/4X, IP 56
FHP-2250XE	7-H456-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-2250XEHC	7-H4I6-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4/4X, IP 56
FHP-2250XEHC	7-H456-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-2250X	7-H4J6-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X/Harsh, IP 56
FHP-2250X	7-H456-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56
FHP-2250XHC	7-H4I6-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X/Harsh, IP 56
FHP-2250XHC	7-H456-3-000	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 $^{\circ}\text{C}$	50 $^{\circ}\text{C}$
Enclosure Air	$y = .072x - 26.4$	$y = .072x - 27.1$
Cold Sink	$y = .056x - 26.4$	$y = .056x - 27.1$

FHP-2250

MOUNTING STYLE

Flush Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

RATING (TRADITIONAL)

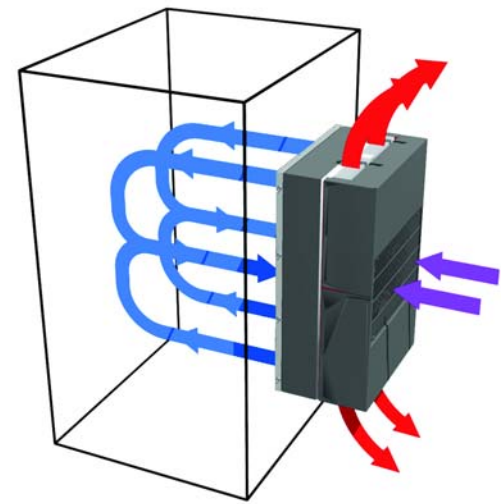
1250 BTU/hr @ 0 $^{\circ}\text{F}$ ΔT

RATING (DIN 3168)

367 Watts L35 L35

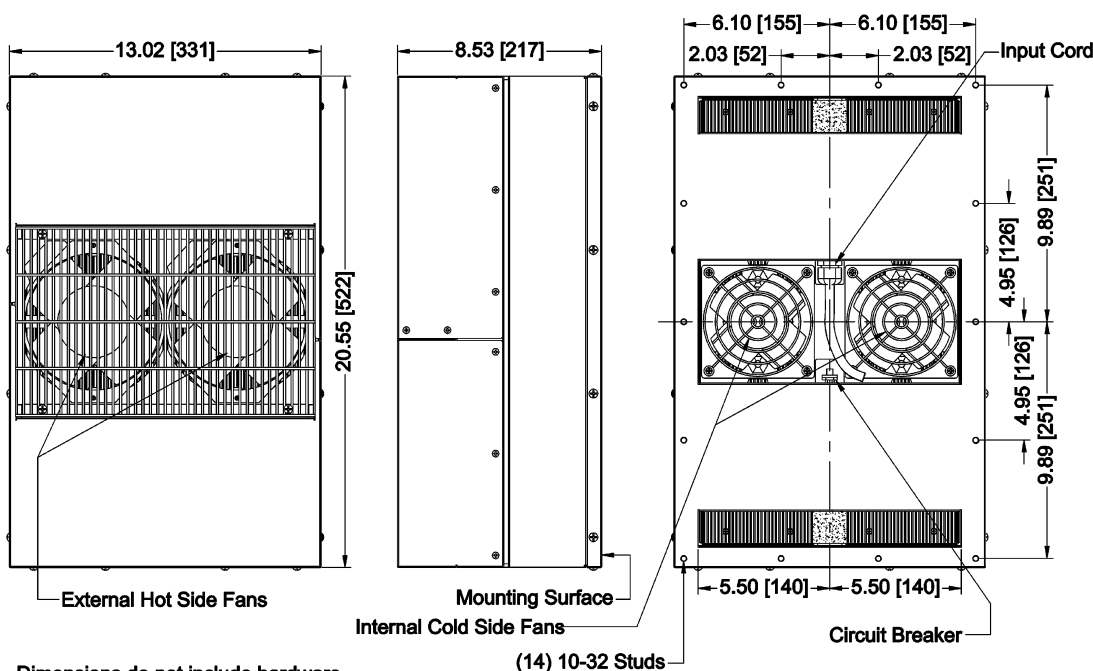
168 Watts L35 L50

Temperature Differential (F)



Air Flow Pattern

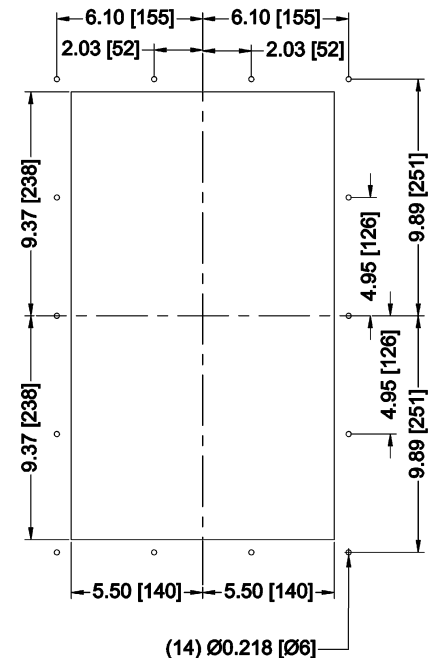
DIMENSIONS



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

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MOUNTING CUTOUT DIMENSIONS



1-888-TECA-USA (832-2872)

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