FHP-2259 | Air Conditioner/Heat Exchanger

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

100 - 240 VAC Input
High Capacity
1660 BTU/HR



FEATURES

- High efficiency 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
- Environmentaly 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	25°C
Active Heating	10°C
Typical Hysteresis	5°C
Operating Ambient	-40/+65°C
Operating Enclosure	-10/+60°C

POWER INPUTS

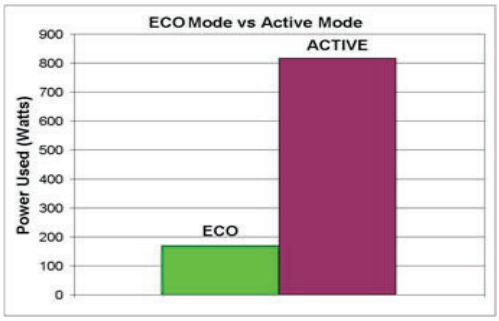
Voltage	100 - 240 VAC
Current, Active	8.4 - 3.5 AMPS
Current, ECO-Mode	1 AMP
Frequency	47 - 63 Hz
Power Consumption	840 Watts

INCLUDES

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

PERFORMANCE RATINGS

Cooling (Traditional)	1660 BTU/HR
Cooling (Din 3168)	486 WATTS
Cooling COP (at L35 L35)	0.58
Heating (Traditional)	>2780 BTU/HR
Heating (Din 3168)	>816 WATTS
Heating COP	>1.0
Heat Exchanger (Eco-Mode)	12.5 W/°C



Full shock & vibration models available.

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
FHP-2259	7-H5JB-0-000	Cool only, industrial fans	TC-4F	NEMA-12, IP 52
FHP-2259	7-H55B-0-000	Cool only, industrial fans	EXT*	NEMA-12, IP 52
FHP-2259HC	7-H5IB-1-000	Heat/Cool, industrial fans	TC-7F	NEMA-12, IP 52
FHP-2259HC	7-H55B-1-000	Heat/Cool, industrial fans	EXT*	NEMA-12, IP 52
FHP-2259HC	7-H5LB-1-000♣	Heat/Cool, industrial fans	TC-5300	NEMA-12, IP 52
FHP-2259XE	7-H5JB-4-000	Cool only, sealed hot side fan	TC-4F	NEMA-4/4X, IP 56
FHP-2259XE	7-H55B-4-000	Cool only, sealed hot side fan	EXT*	NEMA-4/4X, IP 56
FHP-2259XEHC	7-H5IB-5-000	Heat/Cool, sealed hot side fan	TC-7F	NEMA-4/4X, IP 56
FHP-2259XEHC	7-H55B-5-000	Heat/Cool, sealed hot side fan	EXT*	NEMA-4/4X, IP 56
FHP-2259XEHC	7-H5LB-5-000♣	Heat/Cool, sealed hot side fan	TC-5300	NEMA-4/4X, IP 56
FHP-2259X	7-H5JB-2-000	Cool only, Military-grade hot side fan	TC-4F	NEMA-4X/Harsh Env. IP 56
FHP-2259X	7-H55B-2-000	Cool only, Military-grade hot side fan	EXT*	NEMA-4X/Harsh Env. IP 56
FHP-2259XHC	7-H5IB-3-000	Heat/Cool, Military-grade hot side fan	TC-7F	NEMA-4X/Harsh Env. IP 56
FHP-2259XHC	7-H55B-3-000	Heat/Cool, Military-grade hot side fan	EXT*	NEMA-4X/Harsh Env. IP 56

♣ Precise temperature control model

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

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

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Air Conditioner - Air Cooled

FHP-2259

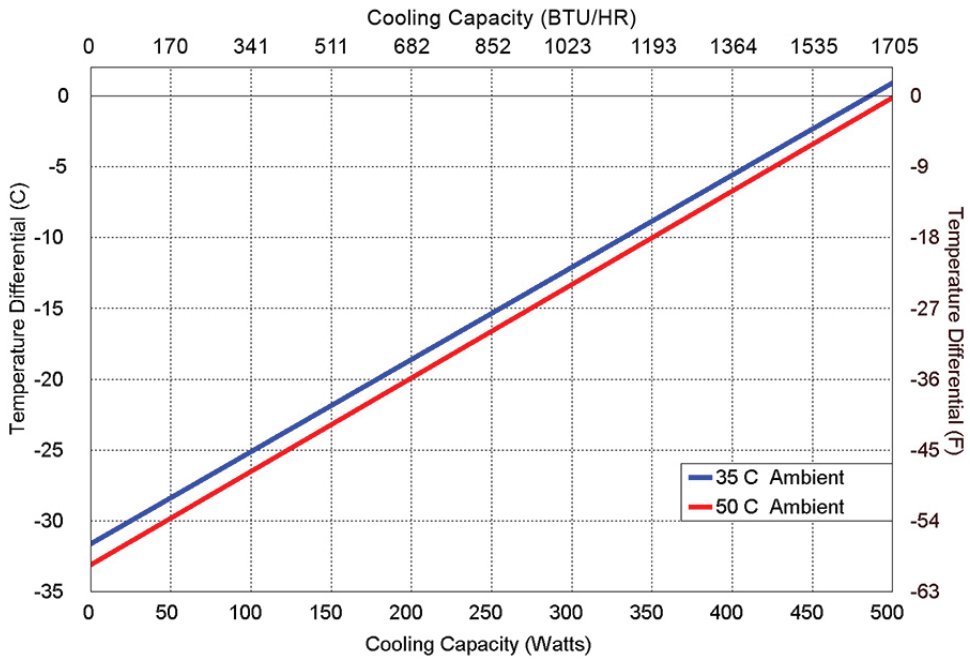
MOUNTING STYLE
Flush Mounted

ENVIRONMENTS SERVED
NEMA-12 IP 52
NEMA-4,4X IP 56

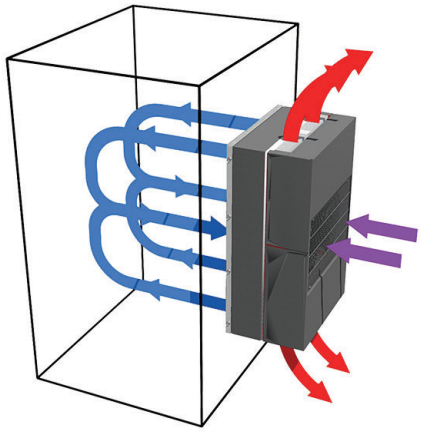
RATING (TRADITIONAL)
1660 BTU/hr @ 0°F ΔT

RATING (DIN 3168)
486 Watts L35 L35
276 Watts L35 L50

PERFORMANCE CURVE

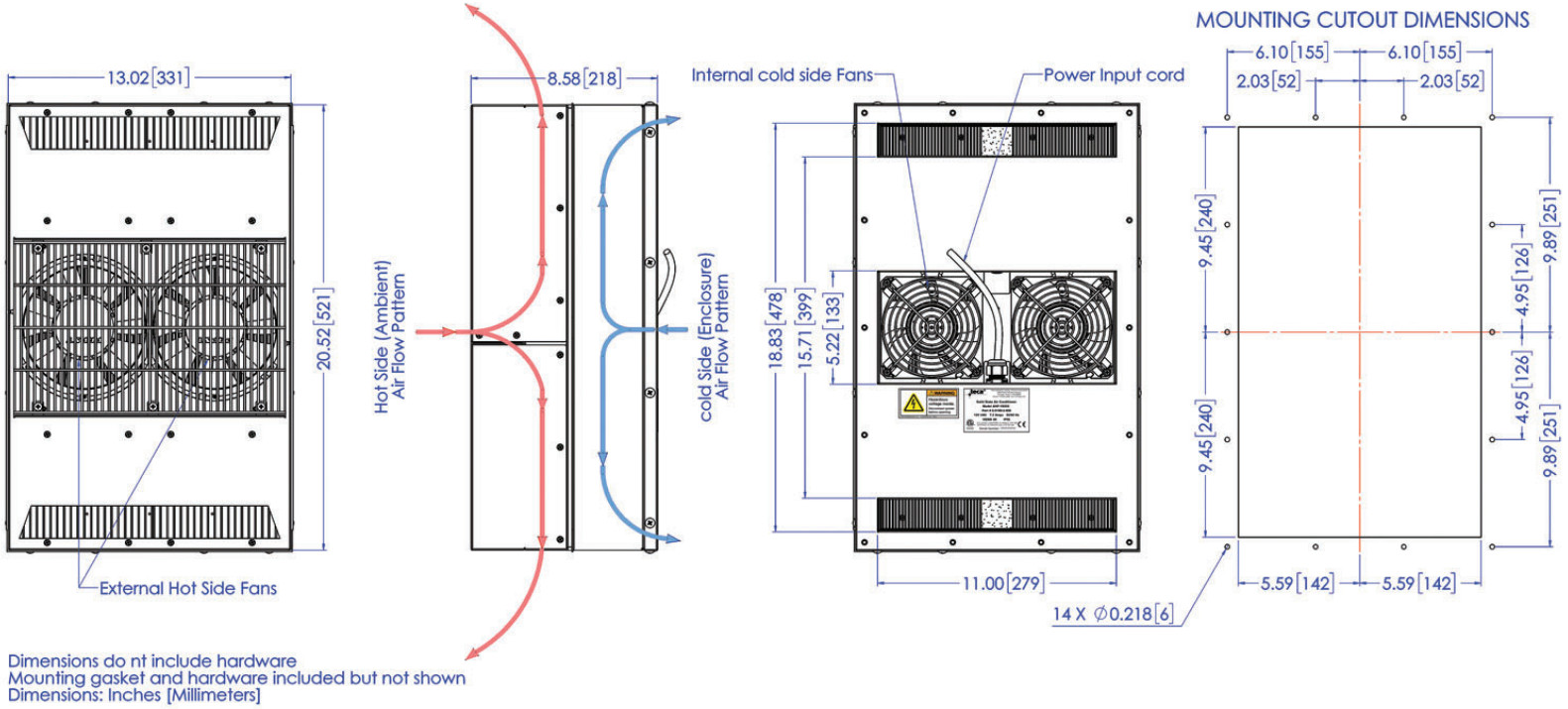


Equation of line: y=ΔT(°C) x=Capacity (Watts)		
Ambient Temp	35°C	50°C
Enclosure Air	y=.065x-31.6	y=.065x-33
Cold Sink	y=.048x-31.6	y=.048x-33



Air Flow Pattern

DIMENSIONS



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