

FHP-3254

Air Conditioner/Heat Exchanger

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

3 Phase, 208 VAC, 4 Wire Wye
High Capacity
2235 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
- Increased efficiency at higher ambients
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 93 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 (per phase)	2.6 AMPS
Current , ECO-Mode	0.70 AMP
Frequency	50/60 Hz

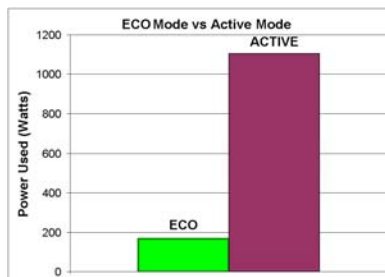
PERFORMANCE RATINGS

Cooling (Traditional)	2235 BTU/HR
Cooling (Din 3168)	655 WATTS
Cooling COP (at L35 L35)	0.61
Heating (Traditional)	> 3294 BTU/HR
Heating (Din 3168)	> 937 WATTS
Heating COP	> 1.0
Heat Exchanger (ECO-Mode)	18 W/°C



INCLUDES

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



CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
FHP-3254	7-14JE-0-000	Cool only, industrial fans & power supply	TC-4F	NEMA-12, IP 52
FHP-3254	7-14SE-0-000	Cool only, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-3254HC	7-14IE-1-000	Heat/Cool, industrial fans & power supply	TC-7F	NEMA-12, IP 52
FHP-3254HC	7-14SE-1-000	Heat/Cool, industrial fans & power supply	EXT*	NEMA-12, IP 52
FHP-3254XE	7-14JE-4-000	Cool only, sealed hot side fans & power supply	TC-4F	NEMA-4/4X, IP 56
FHP-3254XE	7-14SE-4-000	Cool only, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-3254XEHC	7-14IE-5-000	Heat/Cool, sealed hot side fans & power supply	TC-7F	NEMA-4/4X, IP 56
FHP-3254XEHC	7-14SE-5-000	Heat/Cool, sealed hot side fans & power supply	EXT*	NEMA-4/4X, IP 56
FHP-3254X	7-14JE-2-000	Cool only, Mil. grade hot side fans & power supply	TC-4F	NEMA-4X/Harsh, IP 56
FHP-3254X	7-14SE-2-000	Cool only, Mil. grade hot side fans & power supply	EXT*	NEMA-4X/Harsh, IP 56
FHP-3254XHC	7-14IE-3-000	Heat/Cool, Mil. grade hot side fans & power supply	TC-7F	NEMA-4X/Harsh, IP 56
FHP-3254XHC	7-14SE-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

TECA

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

www.thermoelectric.com

FHP-3254**MOUNTING STYLE**

Flush Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4,4X IP 56

RATING (TRADITIONAL)

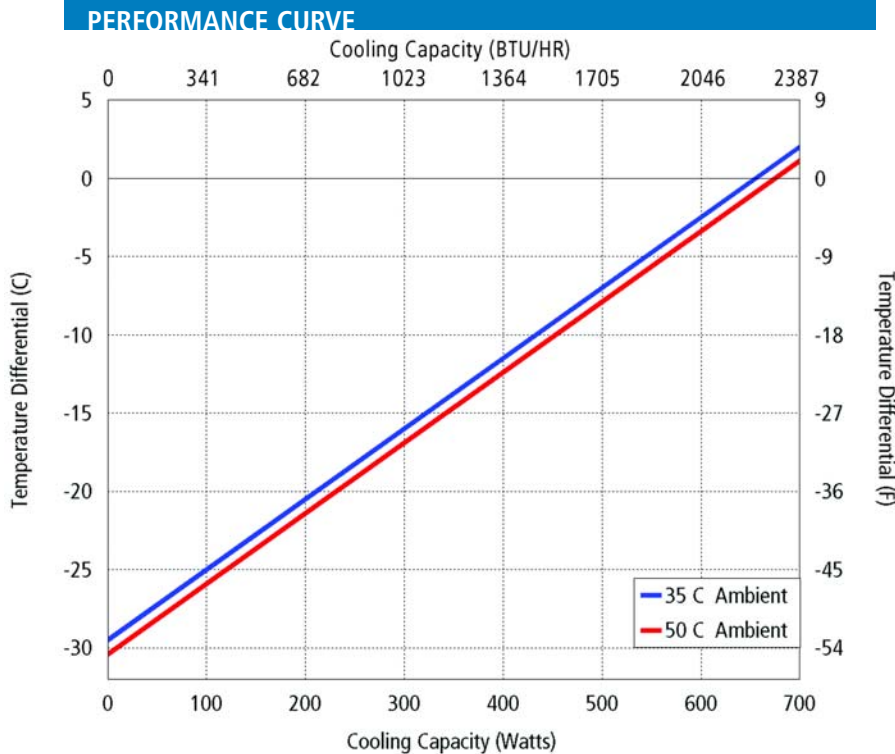
2235 BTU/hr @ 0 °F ΔT

3077 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)

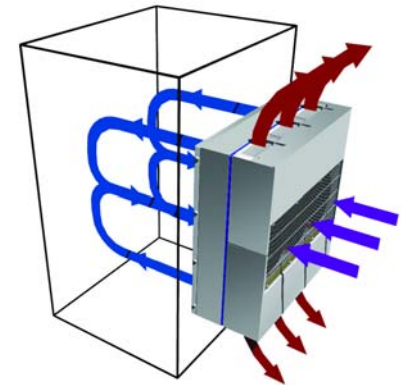
655 Watts L35 L35

342 Watts L35 L50

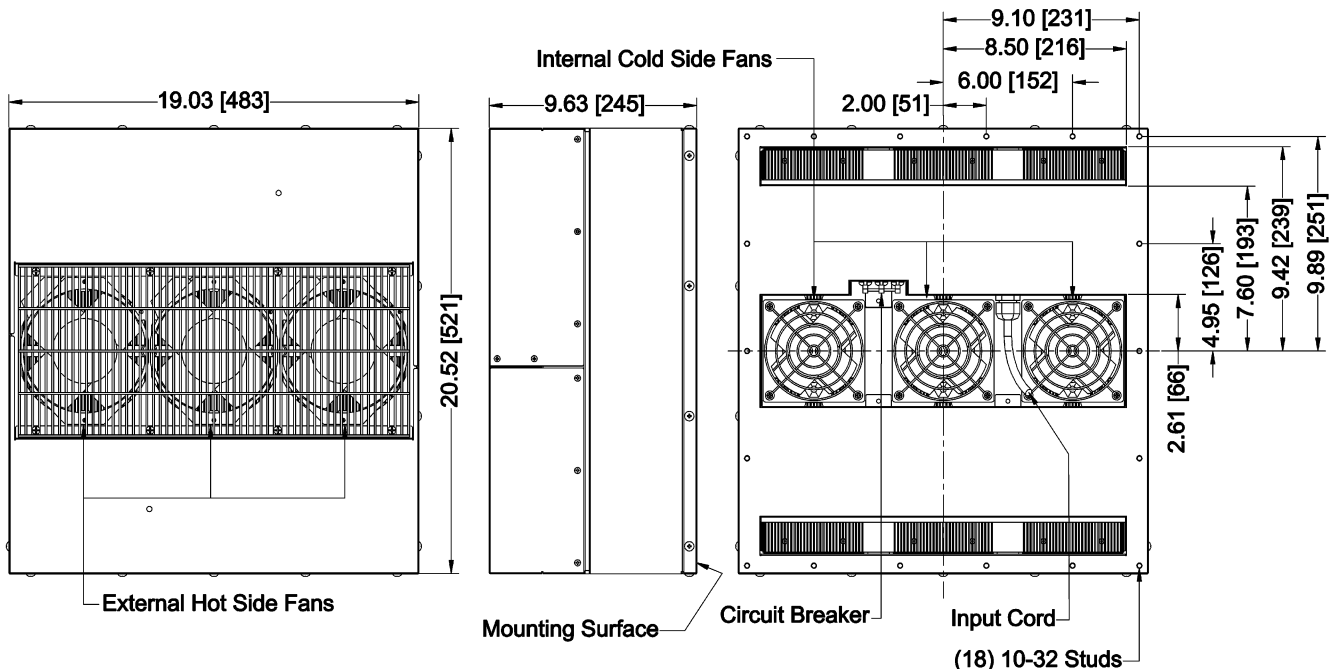


Equation of line: $y = \Delta T(^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$		
Enclosure Air	$y = .045x - 29.5$	$y = .045x - 30.4$
Cold Sink	$y = .0354x - 29.5$	$y = .035x - 30.4$

Temperature Differential (°F)



Air Flow Pattern

DIMENSIONS

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