

FHP-750 Air Conditioner

Air Cooled
Flush Mounted
NEMA-12, NEMA-4/4X

48 VDC Input
430 BTU/HR

FEATURES

- Externally mounted, no intrusion
- Compact (only 12" L X 6" W X 9" D)
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- NEMA-4 and NEMA-12 versions
- Both 120 VAC and 240 VAC available
- Mounts in any orientation (condensate control may not work properly in all orientations)
- Custom finishes
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 16 LBS.



POWER INPUTS

Voltage 48 VDC
Current, Active 4.5 AMPS

CONTROL TEMPERATURES

Temp. Control	Active Heat °C	ECO-Mode °C	Active Cool °C
TC-1F	-	-	35
TC-6F	-	-	25 or 35

PERFORMANCE RATINGS

Cooling (Traditional) 430 BTU/HR
Cooling (Din 3168) 125 WATTS
Cooling COP (at L35 L35) 0.58
Heating (Traditional) 735 BTU/HR
Cooling (Din 3168) 216 WATTS
Heating COP (at L35 L35) > 1.0

INCLUDES

- Mounting gasket and hardware
- Power input leads
- Condensate control system

CONFIGURATIONS

MODEL	PART NUMBER	NOTES	TEMPERATURE CONTROL	ENVIRONMENT
FHP-750	7-A586-0-000	Cool only, industrial fans	TC-6F	NEMA-12, IP 52
FHP-750	7-A5F6-0-000	Cool only, industrial fans	TC-1F	NEMA-12, IP 52
FHP-750	7-A556-0-000	Cool only, industrial fans	EXT*	NEMA-12, IP 52
FHP-750HC	7-A596-1-000	Heat/Cool, industrial fans	EXT†	NEMA-12, IP 52
FHP-750XE	7-A586-4-000	Cool only, sealed hot side fan	TC-6F	NEMA-4/4X, IP 56
FHP-750XE	7-A5F6-4-000	Cool only, sealed hot side fan	TC-1F	NEMA-4/4X, IP 56
FHP-750XE	7-A556-4-000	Cool only, sealed hot side fan	EXT*	NEMA-4/4X, IP 56
FHP-750XEHC	7-A596-5-000	Heat/Cool, sealed hot side fan	EXT†	NEMA-4/4X, IP 56

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

† Unit can be used with external H-Bridge and controller

FHP-750

MOUNTING STYLE

Flush Mounted

ENVIRONMENTS SERVED

NEMA-12 IP 52

NEMA-4/4X IP 56

RATING (TRADITIONAL)

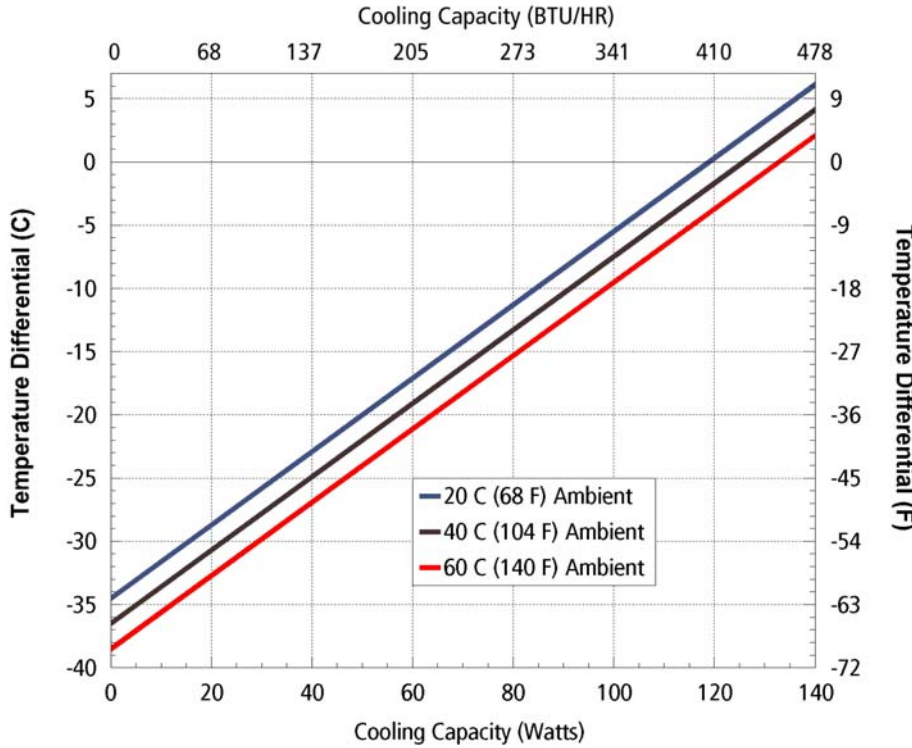
430 BTU/hr @ 0 °F ΔT

RATING (DIN 3168)

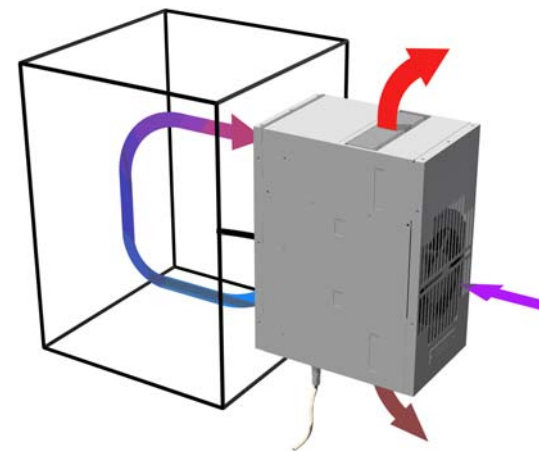
125 Watts L35 L35

78 Watts L35 L50

PERFORMANCE CURVE

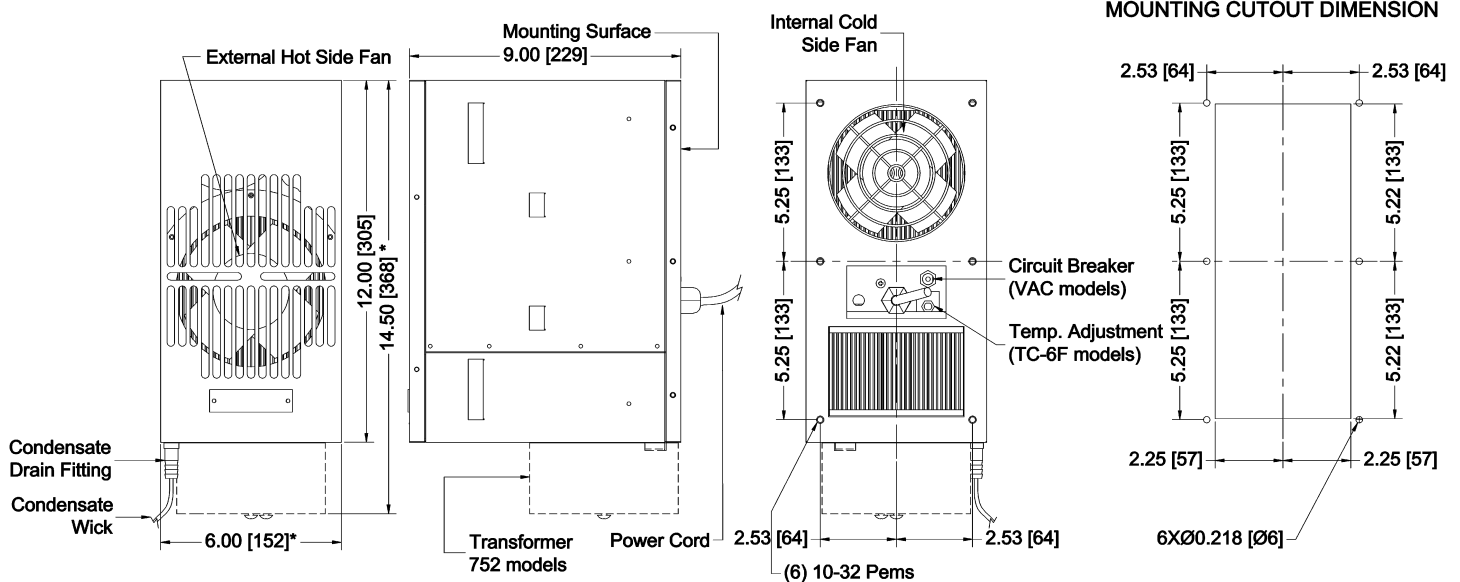


Equation of line: $y = \Delta T(^{\circ}C)$ $x = Capacity (Watts)$			
Ambient Temp	20°C	40°C	60°C
Enclosure Air	$y = .29x - 34.5$	$y = .29x - 36.5$	$y = .29x - 38.5$
Cold Sink	$y = .18x - 34.5$	$y = .18x - 36.5$	$y = .18x - 38.5$



Air Flow Pattern

DIMENSIONS



* Dimension does not include hardware.
Mounting hardware and gasket included but not shown.
Dimension: Inches [Millimeters]