

# LHP-800FF

# LHP-300FF

# Thermoelectric Air Conditioner

Liquid Cooled  
Thru Mount  
Nema-12

## FEATURES

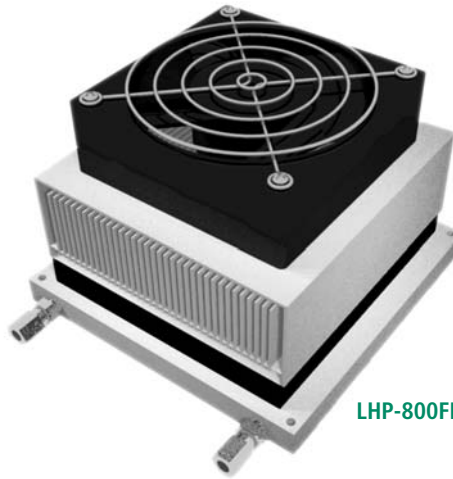
- Compact
- Light weight
- Ambient range 0°C to +70°C
- No compressor, fluorocarbons or filters
- Adaptable to NEMA-4 and explosion proof applications. Can be mounted entirely inside purged enclosure
- Virtually maintenance-free operation
- Mounts in any orientation

## INCLUDES

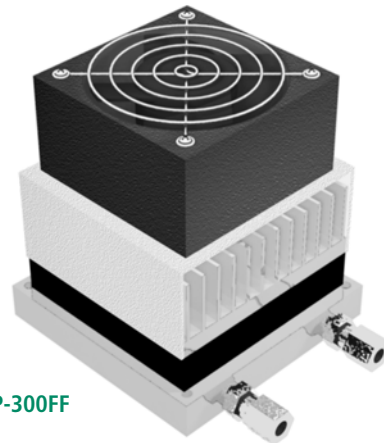
- Compression fittings
- Terminal strip for wire hook up

## APPLICATIONS

Used in laboratory equipment and specialized systems world wide.



LHP-800FF



LHP-300FF

## SPECIFICATIONS LHP-800FF

MODEL	PART NUMBER	NOTES	PERFORMANCE RATING BTU/HR	VOLTAGE VDC	CURRENT AMPS.	FAN VOLTAGE VDC	WEIGHT LBS (kg)	MIN FLOW GPM	OPERATING AMBIENT °C
LHP-800FF	2-5095-0-000	Cool only	460-540	24	14	24	6(2.7)	0.3	0/+70
LHP-800FFHC	2-5099-1-000	Heat/Cool	460-540	24	14	24	6(2.7)	0.3	0/+70

Note: No provision for temperature control is included. Consult factory for options.

## SPECIFICATIONS LHP-300FF

MODEL	PART NUMBER	NOTES	PERFORMANCE RATING BTU/HR	VOLTAGE VDC	CURRENT AMPS.	HEAT WATTS	WEIGHT LBS (kg)	MIN FLOW GPM	OPERATING AMBIENT °C
LHP-300FF	2-7098-0-000	Cool only	150-175	12/24	12/6	N/A	2.75(1.25)	0.3	0/+70
LHP-300FFHC	2-7095-1-000	Heat/Cool, 24 VDC Heat	150-175	24	6	75	2.75(1.25)	0.3	0/+70

Note: No provision for temperature control is included. Consult factory for options.

See also, "Power Supplies", P. 67

# LHP-800FF

## MOUNTING STYLE

Internal

## RATING (TRADITIONAL)

500 BTU/hr @ 0 °F ΔT

615 BTU/hr @ +20 °F ΔT \*

## RATING (DIN 3168)

146 Watts L35 L35

105 Watts L35 L50

# LHP-300FF

## MOUNTING STYLE

Internal

## RATING (TRADITIONAL)

160 BTU/hr @ 0 °F ΔT

200 BTU/hr @ +20 °F ΔT \*

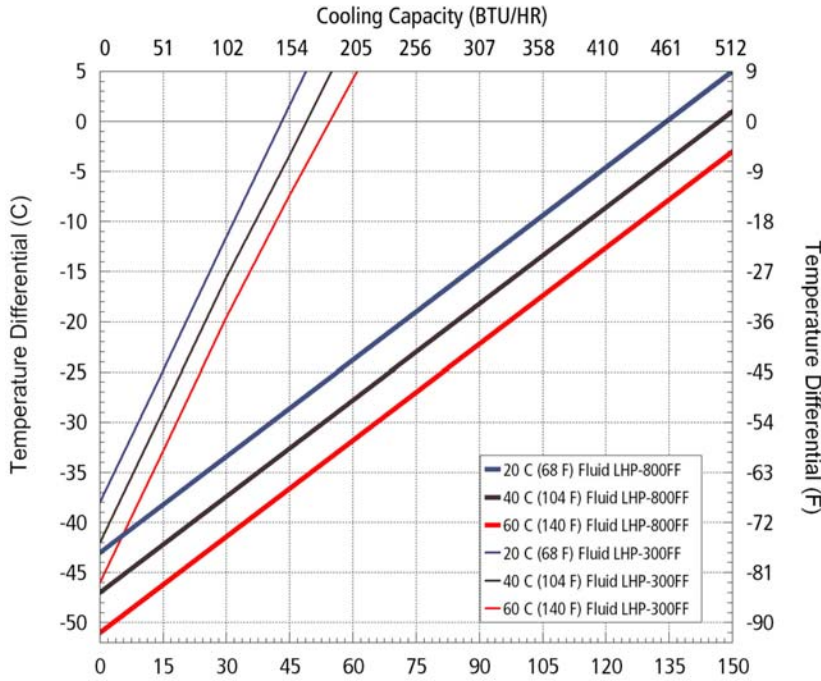
## RATING (DIN 3168)

48 Watts L35 L35

34 Watts L35 L50

\* See page 6

## PERFORMANCE CURVE



Equation of line:  $y = \Delta T(^{\circ}C)$   $x = \text{Capacity (Watts)}$

Fluid Temp	20°C	40°C	60°C
LHP-800FF	$y = .32x - 43.0$	$y = .32x - 47.0$	$y = .32x - 51.0$
LHP-300FF	$y = .88x - 38.0$	$y = .88x - 42.0$	$y = .88x - 46.0$

## DIMENSIONS

