

LIEBERT® HPF from 7 to 18 kW

Self-Contained Air Conditioner for Indoor Installations



Liebert® HPF represents the most complete indoor self-contained cooling system specifically designed to control the environmental conditions of technological or industrial rooms as well as of Telecom network sites

- Freecooling System Minimizing Operating Costs
- 48 V DC Power Supply for High Availability
- Smart Control Guaranteeing Efficient Unit Regulation
- Evaporator Fan with Optional EC Fan for Higher Energy Efficiency
- Compressor with Cooling Capacity Modulation
- Remote Monitoring Option For Real-Time Infrastructure Optimization
- Three Airflow Distributions Available Providing Cold Air Where Needed
- Backed by the Industry's Best Service and Support.

**Compact &
Easy to Install
Solution with
R410A Refrigerant
Included**

Freecooling System Minimizing Operating Costs

- Our solution provides enhanced energy savings with direct freecooling through the use of outside cold air as a main source of cooling.

48 V DC Power Supply for High Availability

- 48 V DC power supply guaranteeing emergency cooling and specifically addressing the needs of Telecom enclosures.

Smart Control Guaranteeing Efficient Unit Regulation

- Team-working including standby, rotation and cascade modes for highest availability.
- User friendly visualization of parameters, alarms and events via graphical display.

Evaporator Fan with Optional EC Fan for Higher Energy Efficiency

- High External Static Pressure (ESP) for superior adaption to different layouts and site applications
- The new generation of EC fans installed in the Liebert HPF dramatically increases overall unit efficiency.

Compressor with Cooling Capacity Modulation

- Precisely matches heat load and saves energy
- Compressor's modulating capacity and the electronic expansion valve allow continuous cooling availability thus ensuring precise control of room temperature.

Remote Monitoring Option For Real-Time Infrastructure Optimization

- Hirolink-i Communication Interface option provides Liebert HPF with Infrastructure Management enablement (Vertiv™ Trellis™, Vertiv SiteScan®, Vertiv Nform™, Vertiv LIFE™ Services) as well as third-party customer protocols compatibility; such as MODBUS, SNMP, BACNET. The interface employs Ethernet, RS-485 and MSTP networks to monitor and manage a wide range of operating parameters, alarms and notifications.



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Three Airflow Distributions Available Providing Cold Air Where Needed

Liebert® HPF is an extremely flexible unit available in different airflow versions making it an ideal system for the most diverse site layouts:

Downflow

Return air enters the unit from the top, while supply air is discharged from below, exiting beneath the floor.



Upflow

Return air enters the unit from the bottom front, while supply air is discharged from the top front.



Displacement

Return air enters the unit from the top, while supply air is discharged from the bottom front.



TECHNICAL DATA	HPF0HO	HPF1AO	HPF1FO	HPF1DO*
Cooling Capacity [kW]	7.6	12.9	17.4	16.9
Airflow Version	Upflow	Upflow	Upflow	Upflow
Airflow [m³/h]	1955	3835	3680	2910
Refrigerant	R410A	R410A	R410A	R410A
Power Supply	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz
DIMENSIONS				
LxHxD [mm]	650x1990x650	900x2050x750	900x2050x750	900x2050x750

TECHNICAL DATA	HPF0HU	HPF1AU	HPF1FU	HPF1DU*
Cooling Capacity [kW]	7.6	12.6	17.1	16.9
Airflow Version	Downflow	Downflow	Downflow	Downflow
Airflow [m³/h]	2095	3370	3680	3680
Refrigerant	R410A	R410A	R410A	R410A
Power Supply	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz
DIMENSIONS				
LxHxD [mm]	650x1990x650	900x2050x750	900x2050x750	900x2050x750

TECHNICAL DATA	HPF0HD	HPF1AD	HPF1FD	HPF1DD*
Cooling Capacity [kW]	7.7	13.0	17.2	17.0
Airflow Version	Displacement	Displacement	Displacement	Displacement
Airflow [m³/h]	2289	3614	3805	3803
Refrigerant	R410A	R410A	R410A	R410A
Power Supply	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz	400 V/ 3 ph/ 50 Hz
DIMENSIONS				
LxHxD [mm]	650x1990x650	900x2300x750	900x2300x750	900x2300x750

(*) = Version with modulating capacity compressors

Note: Values refer to direct expansion working conditions; 35°C outdoor temperature; nominal power supply and indoor conditions of 30 °C / 39.5 % R.H. at the evaporating suction side.

BACKED BY THE INDUSTRY'S BEST SERVICE AND SUPPORT

- Fast and easy installation
- All components easily accessible from the front for simplified maintenance and service
- Service delivered by factory trained technicians
- 24/7 technical support.

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