

# 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 with up to 16 units exploits the benefits of standby, rotation and cascade modes
- Optional graphic display stores the last 200 events, thus enhancing data collection functions.

## 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/ 3ph/ 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.

**VertivCo.com | Vertiv Infrastructure Limited**, George Curl Way, Southampton, SO18 2RY, VAT Number: GB188146827

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