Precision Cooling
For Business-Critical Continuity

Liebert XDF™

Rack Enclosure With Integrated High Density Cooling

Extreme density electronic equipment is turning up in many non-traditional spaces — spaces without the benefit of computer room air conditioning to provide cooling for the generated heat loads. This rack-based equipment must be protected with the same level of air, power and security support as a conventional computer room, but with the economies of scale and price in mind.

Liebert XDF™ is high density cooling integrated into a secured rack enclosure, providing the benefits of big room support in a cost-effective package. Optimized horizontal air circulation cools the protected equipment, both in standard mode and in backup ventilation mode. Control and monitoring are accomplished with the cabinet-mounted Liebert iCOM control system. In addition, optional Liebert UPS, advanced power strips and remote monitoring systems are available to customize the level of support to individual equipment needs.

Air Cooled, Self Contained version, Front

Air Cooled, Self Contained version, With Open Side Panel

Water Cooled

Key Features

- **Integrated high density cooling** with horizontal air flow
- **Automatic back-up ventilation**
- **2 Configurations:**
  - Air Cooled, Self Contained with integrated condenser
  - Water Cooled
- **Digital scroll compressor** for precise and energy-efficient operation
- **Quickly deployable**
- **Liebert iCOM™** intelligent controls
- **Remote monitoring**
- **Compatible** with Liebert rackmount UPS and power strips

Ideal Applications

- **High density equipment** requiring individualized cooling and protection:
  - **Warehouses**
  - **Small computer rooms**
  - **Closets and shelters**
  - **Data centers**
- **RFID**
- **VoIP**
- **Disaster recovery operations**

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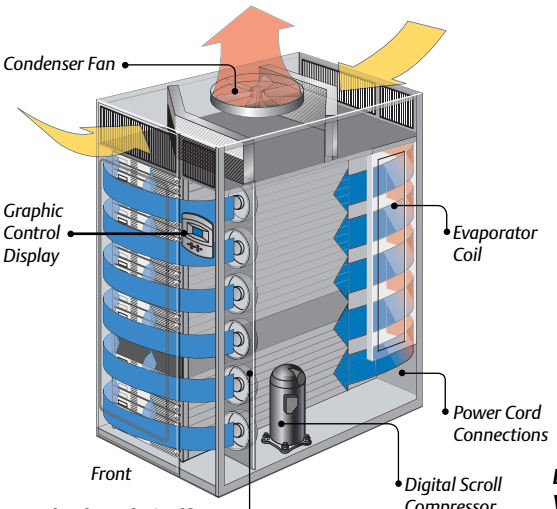
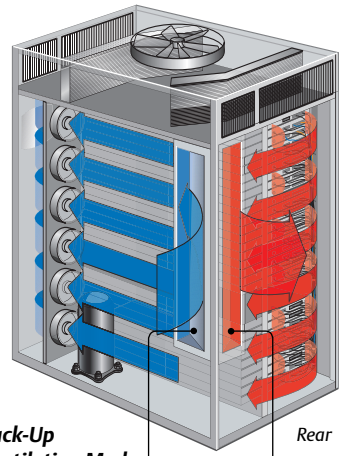
Technical Data

Liebert XDF™	Air Cooled, Self Contained	Water Cooled
Overall Unit Height, With Casters	82.5" (2095mm)	82.5" (2095mm)
Overall Unit Width	35" (890mm)	35" (890mm)
Overall Unit Depth, Footprint	48" (1219mm)	48" (1219mm)
Rack Width	19" (483mm) EIA	19" (483mm) EIA
Rack Height	36U	42U
Adjustable Rack Depth, Max	32.1" (815mm)	32.1" (815mm)
Adjustable Rack Depth, Min	24.4" (620mm)	24.4" (620mm)
Weight, empty	800 lbs (360 kg)	750 lbs (338 kg)
Max Weight Filled	2000 lbs (907kg)	2000 lbs (907kg)
Sound Power Level	86 dBA	79 dBA
Nominal Cooling Capacity***	14.4 kW (4.1Ton)	14.4 kW (4.1Ton)
Nominal Air Flow	2100 CFM (3500 m³/h)	2100 CFM (3500 m³/h)
Input Voltage	120V, 1ph, 60Hz* and 208V, 3ph, 60Hz**	
Full Load Amps	7.7A* and 15.7A** respectively, 60Hz	5.0A* and 15.7A** respectively, 60Hz

* *For controls and evaporator and condenser fans power supply.*
** *For compressor power supply*
*** *At rating 95°F amb, 77°F supply air to load*



Standard Mode (Self Contained Unit Shown)



Back-Up Ventilation Mode (Self Contained Unit Shown)

Local and Remote Monitoring Capabilities

iCOM™ Control Display

iCOM allows for local or remote monitoring of the conditions in the Liebert XDF to protect critical rack components. Options are available for connecting to Liebert remote monitoring devices or for BMS (Building Management System) interface via MODbus or SNMP.

The menu driven display is organized into three main sections: User Menus, Service Menus and Advanced Menus.

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