

## 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.

### 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



Air Cooled, Self Contained version, Front



Air Cooled, Self Contained version,  
With Open Side Panel



Water Cooled

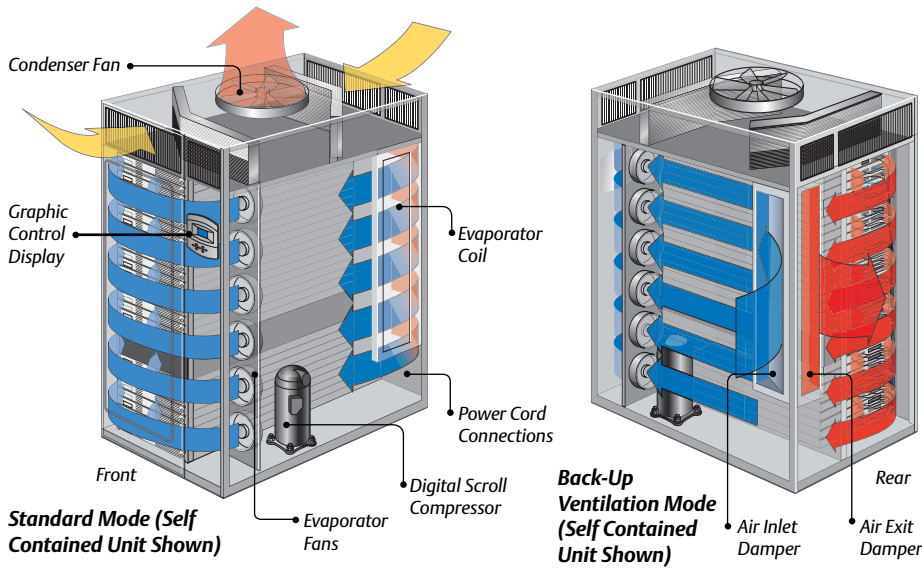
## Technical Data

| 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 m <sup>3</sup> /h)      | 2100 CFM (3500 m <sup>3</sup> /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



## 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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