

Liebert XDC™ Refrigerant Chiller

Specifically Designed To Support The Modules In The Liebert XD System



The Liebert XDC Refrigerant Chiller is a part of Liebert's highly energy-efficient high heat density cooling system Liebert XD™.

The system can cool more than 30kW per rack and uses pumped refrigerant, which is ideal for use around electronic equipment.

Liebert XDC is specifically designed to support the Liebert XDO, XDV, XDH and CoolFrame modules. The XDC is an indoor unit that connects directly to the XD cooling modules and it provides refrigerant circulation and control while maintaining the refrigerant at a temperature always above the actual dewpoint.

The packaged unit includes Enclosure, Pumps, Heat Exchanger, Scroll Compressors, Receiver Tank, Controls, Valves and Piping. The XDC is available in an air cooled configuration with remote condenser.

Key Features

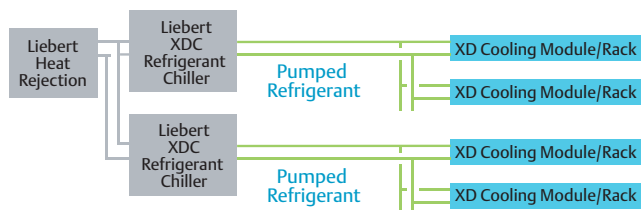
- Energy Efficient
- Floor Space Efficient
- Scalable
- Easy to Install

Technical Data

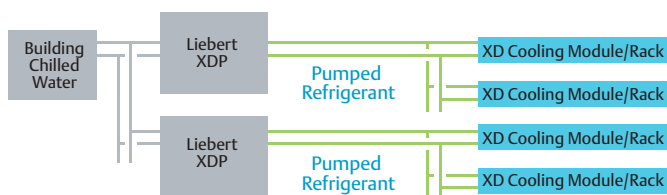
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|-------------------------|--|
| Nominal Capacity, 60 Hz | 160 kW / 46 Ton |
| Nominal Capacity, 50 Hz | 130 kW / 37 Ton |
| Input Voltage | 460 V, 3 ph, 60 Hz 380/415 V, 3 ph, 50 Hz |
| Full load amps | 79 A |
| Height | 78" (1981 mm) |
| Width | 74" (1879 mm) |
| Depth | 34 5/8" (879mm) |
| Weight, empty | 1800 lbs (817 kg) |

Liebert XD Hydraulic System Schematic

Direct system configuration



Indirect system configuration



The indoor Liebert Refrigerant Chiller is specifically designed to support the Liebert XD cooling modules. The XDC connects directly to the modules through the pumped refrigerant. When a building chilled water system is available, the Liebert XDP Pumping Unit is utilized as an interface between the pumped refrigerant circuit and the chilled water system. Both the XDC and the XDP units circulate the refrigerant to the XD modules, while maintaining the refrigerant at a temperature always above the actual dewpoint.

While every precaution has been taken to ensure accuracy and completeness in this literature, Liebert Corporation assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

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