

Liebert XDP™ Pumping Unit

Specifically Designed To Support The Modules In The Liebert XD System



The Liebert XDP Pumping Unit is part of the the highly energy-efficient, high heat density Liebert XD cooling system.

The system can cool more than 30 kW per rack and utilizes pumped refrigerant, which is ideal for use around electronic equipment. Liebert XDP is specifically designed to support the Liebert XDO, XDV, XDH and CoolFrame modules. The XDP is an interface between the pumped refrigerant circuit and the building chilled water system. The XDP circulates the refrigerant to the Liebert XDV modules while maintaining the refrigerant at a temperature always above the actual dewpoint.

The packaged unit includes Enclosure, Pumps, Heat Exchanger, Receiver Tank, Controls, Valves and Piping.

Key Features

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

Technical Data

Nominal Capacity, 60 Hz	160 kW / 46 Ton
Nominal Capacity, 50 Hz,	140 kW / 40 Ton
Input Voltage	208 V, 3 ph, 60 Hz 460 V, 3 ph, 60 Hz 380/415 V, 3 ph, 50 Hz
Full load amps	2.1 A @ 460 V, 3 ph, 60 Hz 2.3 A @ 380/420 V, 3 ph, 50 Hz
Height	78" (1981mm)
Width	38" (965mm)
Depth	34" (864mm)
Weight, empty	821 lbs (372 kg)

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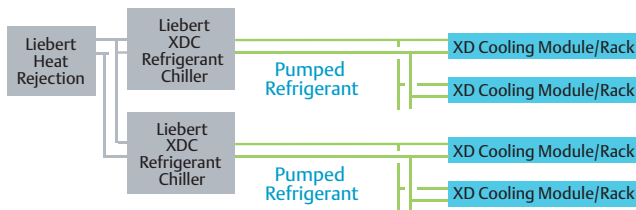
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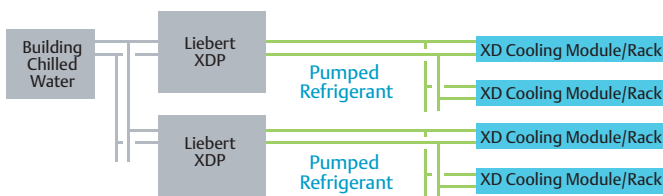
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Liebert XD Hydraulic System Schematic

Direct system configuration



Indirect system configuration



The indoor Liebert XDC Refrigerant Chiller is specifically designed to support the Liebert XD cooling modules. The XDC connects directly to the modules through the pumped refrigerant circuit.

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.

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