

## Liebert XDV Vertical Top Cooling Module

Sensible Spot And Zone Cooling For High Heat Density Equipment



**The Top Mounted Cooling Module Liebert XDV provides sensible Spot and Zone cooling for high heat density equipment.**

It can either draw in hot air directly from inside the cabinet or from the hot aisle and discharge cool air down into the cold aisle where the electronic equipment air inlets are located. This flexible, scalable and space saving product mounts on top of the cabinet or suspended from the ceiling, requiring zero floor space.

The XDV is a part of the high heat-density cooling system, Liebert XD. The Liebert XD system utilizes Liebert XD Coolant, which is ideal for use around electronic equipment.

### Key Features

- Can cool more than than 8 kW per rack
- No floor space required
- Complements Liebert precision cooling units
- Optional pre-attached and pre-charged flexible piping with threaded quick connect fittings allows:
  - adaptive and scalable expansion
  - adaptive and scalable expansion without interruption of cooling operations
- Superior cost for cooling per high heat density rack
- Excellent for spot and zone cooling
- Uses Liebert XD Coolant which is ideal for use around electronic equipment
- Highly Energy Efficient
- Flexible installation - mounts on top of the cabinet or suspended from the ceiling
- Dual (A and B) Detachable Power Cords for Increased Uptime
- Complete packaged unit includes Enclosure, Coil, Controls, Fans and Piping

## Technical Data

Nominal Capacity, 60 Hz	8 kW / 2.2 Ton
Nominal Capacity, 50 Hz	6.5 kW / 1.85 Ton
Nominal Airflow, 60 Hz	1000 CFM (1700 m <sup>3</sup> /h)
Nominal Airflow, 50 Hz	830 CFM (1410 m <sup>3</sup> /h)
Input Voltage	120 V, 1 ph, 60 Hz or 230 V, 1 ph, 50/60 Hz
Full load amps (with optional Condensate Detection)	2A @ 120V, 1ph, 60 Hz 1A @ 230V, 1ph, 50 Hz
Height (unit only)	14" (355 mm)
Width	23.5" (597 mm)
Depth	29.5"-39.5" (749-1003 mm)
Weight, empty	77 lbs (35 kg)
Options	Pre-attached and pre-charged 6 ft flexible piping with threaded couplings, with automatic shut off when disconnected Condensate Detection (dry contacts)

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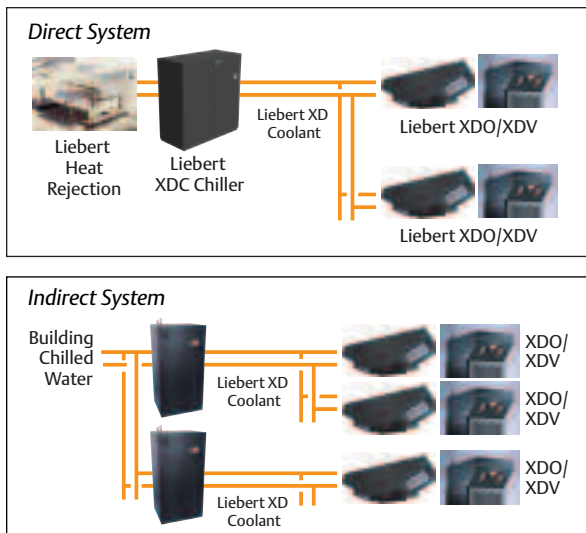
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## Liebert XD Hydraulic System Schematic



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



The Liebert XDV work extremely well with the "hot aisle-cold aisle" approach.

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