

Back-of-Rack Cooling Module

Liebert XDR-W Rack Cooling Module

The Liebert XDR-W cooling modules are attached to the back of your selected racks, drawing hot air from the rack and cooling it to the point where the impact on the room is close to neutral, then discharging it back into the room. These modules are connected to a Liebert XDP-W coolant pumping unit, which acts as an isolating heat exchanger between the building chilled water source and the circulating cooling water.

The modular and adaptive design of the Liebert XDR-W unit also allows it to be easily added as the demand for cooling increases.



Flexibility:

- Installs and configures easily
- Allows scalability for future growth.
- Provides flexible configuration to eliminate hot spots.

Higher Availability:

- Provides built-in redundancy: A dual pump in the coolant distribution unit will keep the fluid flowing; if a fan in the cooling module shuts down, the others keep running.
- The pumping unit maintains the coolant to the XDR-W at a temperature always above the actual dewpoint, to prevent condensation.

Lowest Total Cost of Ownership:

- Operates with the energy-efficient Liebert XDP-W coolant pumping unit, which can support up to 12 XDR-W modules.
- Saves energy by cooling at the heat source.

Ideally Suited For:

- Applications where a hot aisle/cold aisle approach is not practical.

Specifications

Liebert XDR-W RackCooler™

Nominal Capacity	8 kW / 2.2 Ton
Nominal Airflow	1000 CFM (1700 m ³ /h)
Input Voltage	120 V, 1 ph, 60 Hz 230 V, 1 ph, 60 Hz
Full load amps	1.5A @ 120V
Height	55.5" (1410 mm)
Width	15" (381 mm)
Depth	6" (152 mm)
Weight	70 lbs (32 kg)

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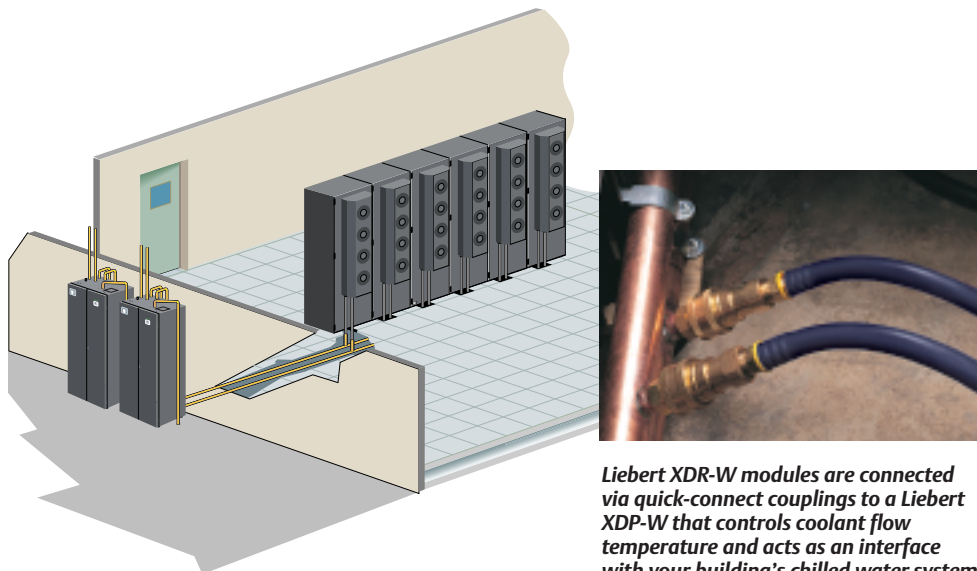
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Liebert XDR-W modules are connected via quick-connect couplings to a Liebert XDP-W that controls coolant flow temperature and acts as an interface with your building's chilled water system through a heat exchanger.

Hydraulic Schematic

