



Vertiv™ 360AI

Solution Design Specifications

Model Number: 1L88RE

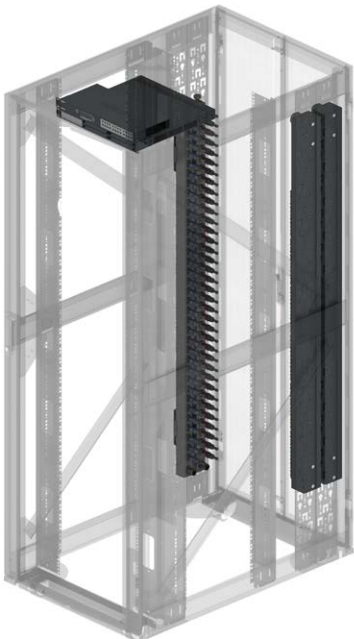
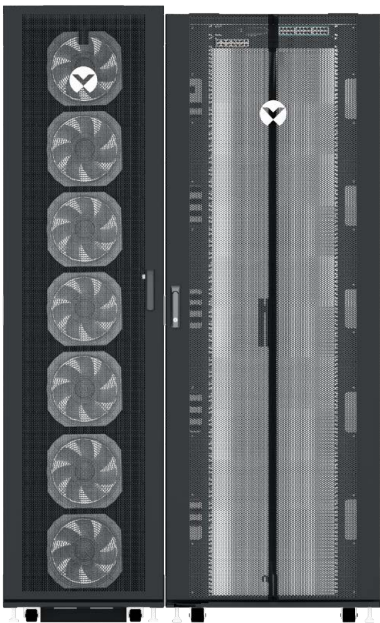


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Liquid to air direct-to-chip retrofit

For facilities that are unable to change existing architectures and do not have chilled water available on site, this solution offers a path to introduce liquid cooling into the existing space.

Model Number: 1L88RE



Rack Interior View

System capacity

1 Rack(s)	88 kW Total solution capacity	88 kW Load per rack
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Technologies used

Cooling Method	Direct-to-chip (liquid)
Heat Rejection Type	Air
Key components	
Rack Enclosure	48U, 800mm x 1200mm (VR9357)
Rack PDUs – 2 per rack	80A Monitored rPDU (VP7UA002)
Coolant Distribution Unit (CDU)	Vertiv™ Liebert® XDU070

Dimensions (L, D, H): 4.59ft (1400mm) x 3.94ft (1201 mm) x 7.22ft (2201 mm)

What's included

- 1

Rack Enclosure
- 2

Rack PDU
- 3

Coolant Distribution Unit
- 4

Rack manifold
- 5

TH Sensors – 2 per rack
- 6

Remote Management
- 7

Deployment + Commissioning
- 8

Maintenance

1L88RE

Contact Vertiv for Availability

Front Quarter View



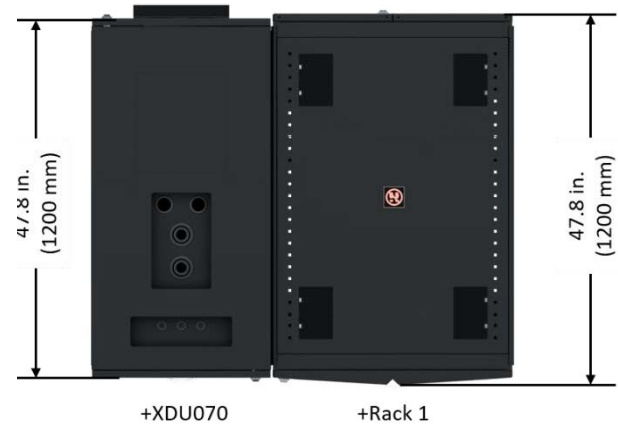
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Back Quarter View

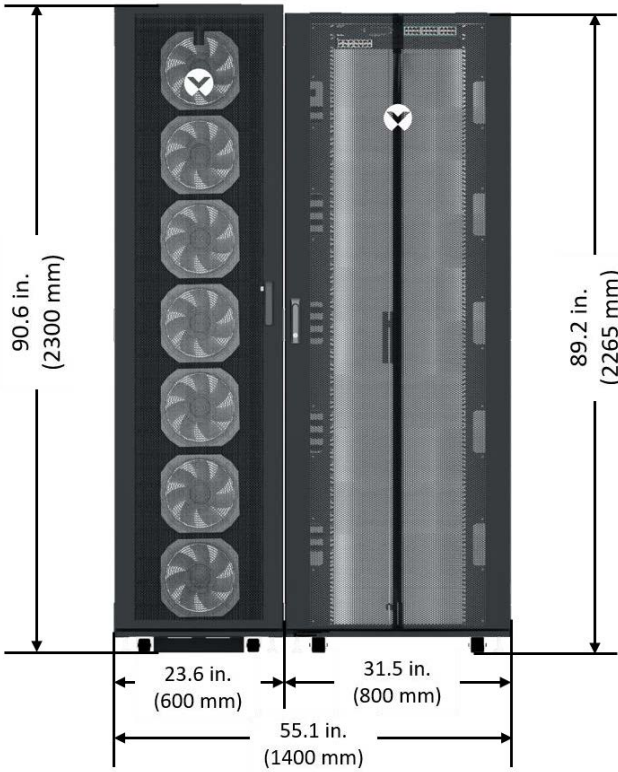


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Top View

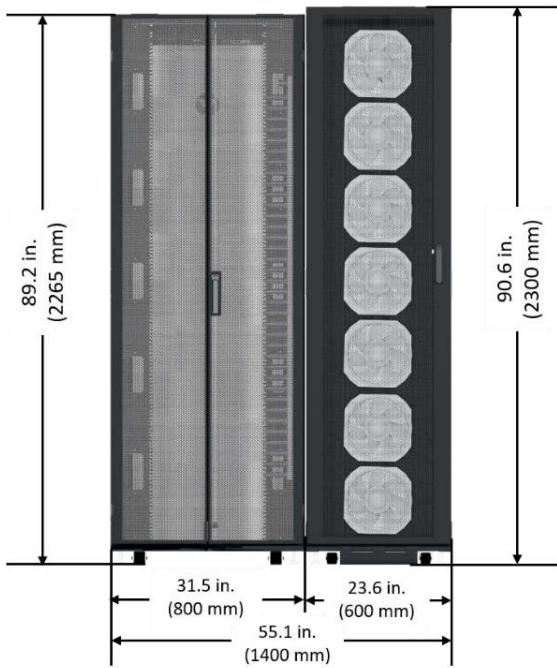


Front View

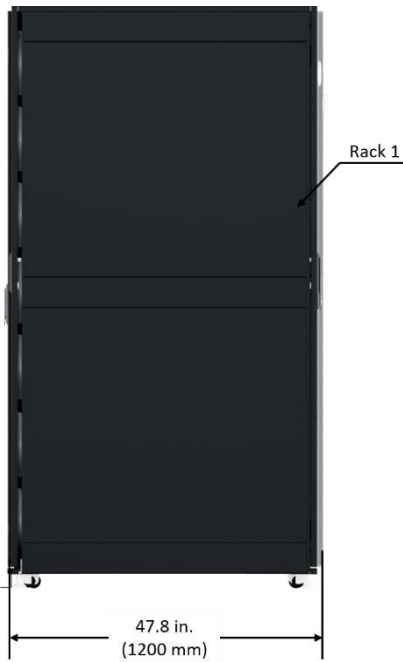


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Rear View

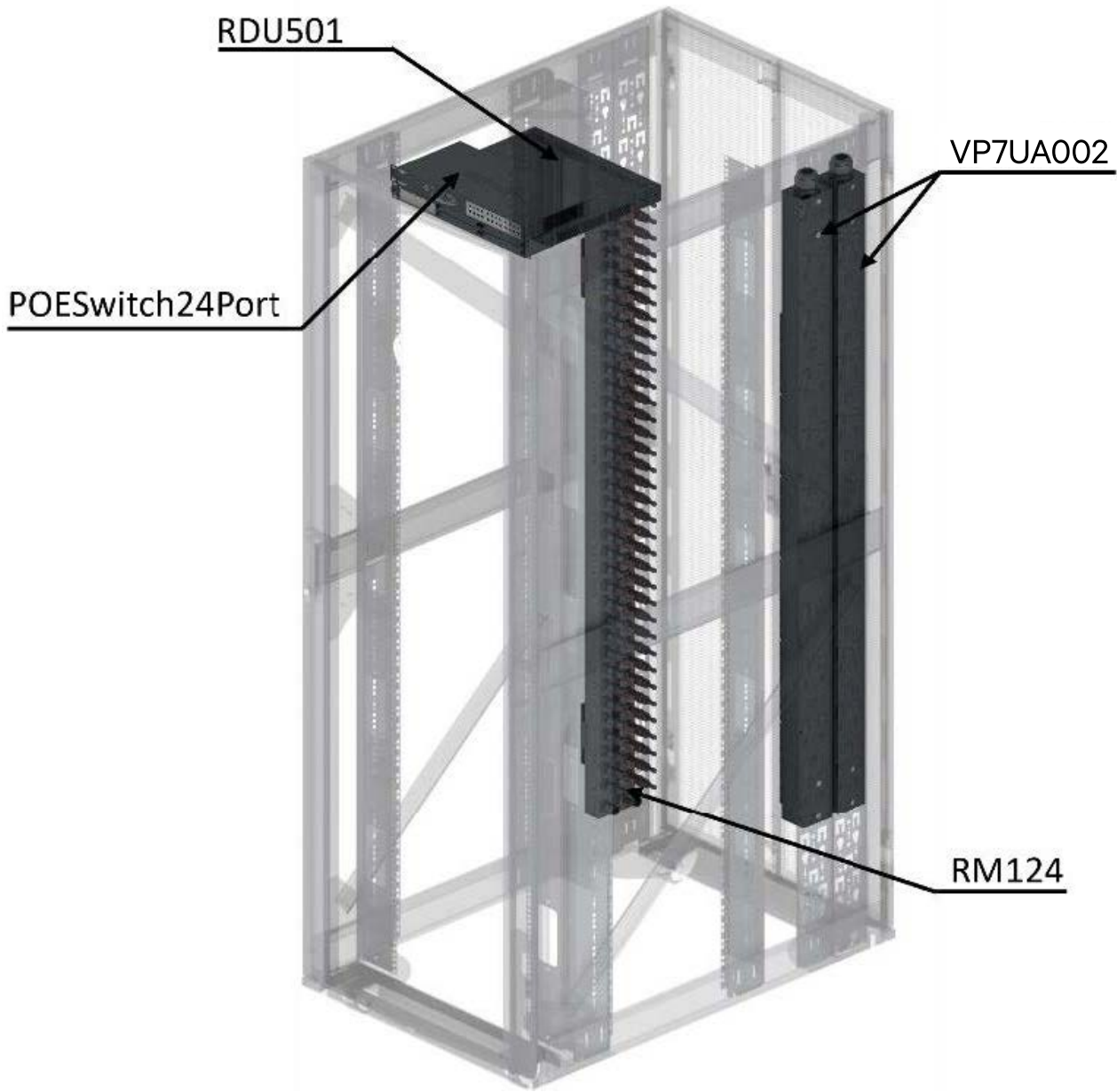


Side View

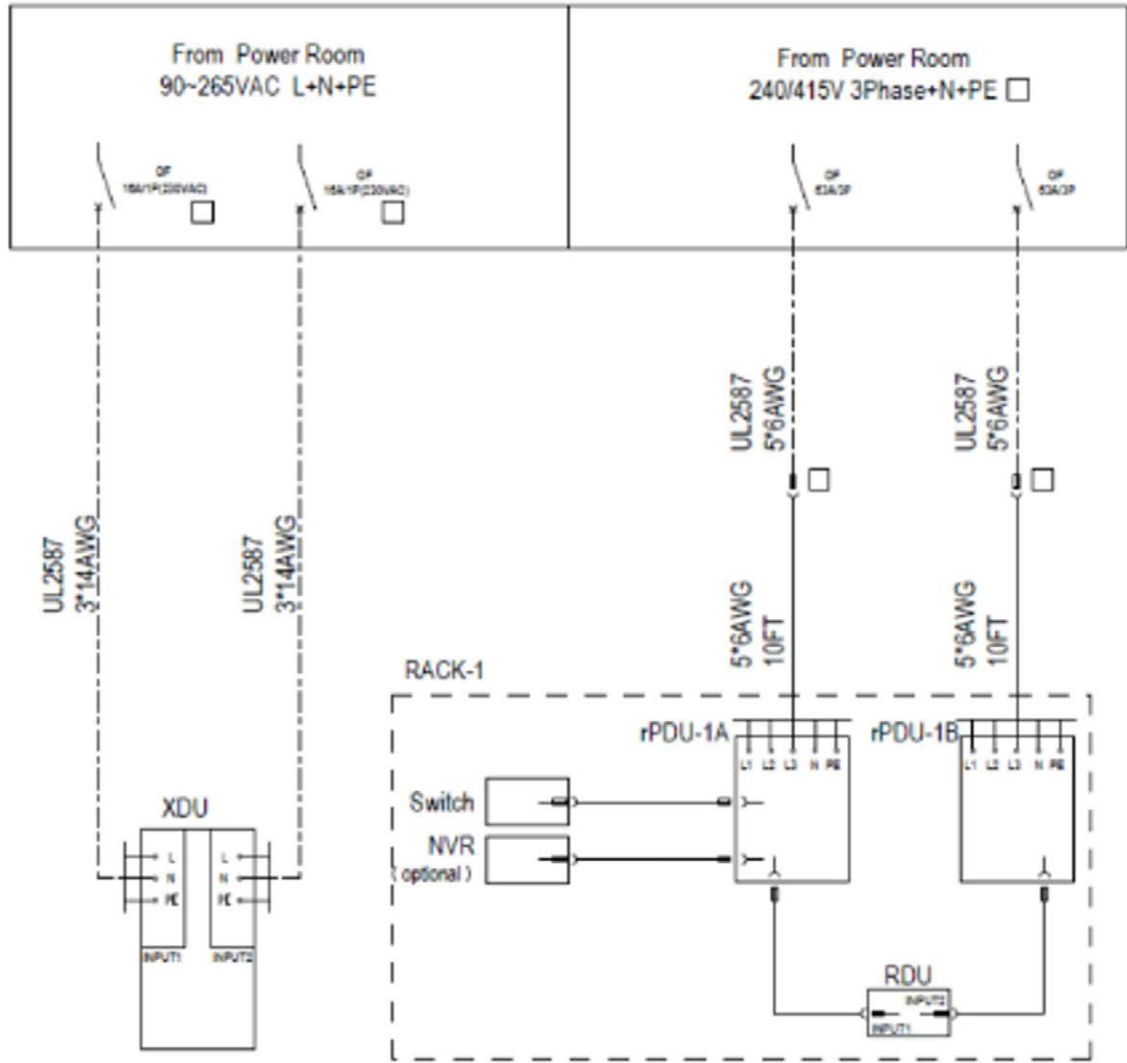


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Rack ISO View

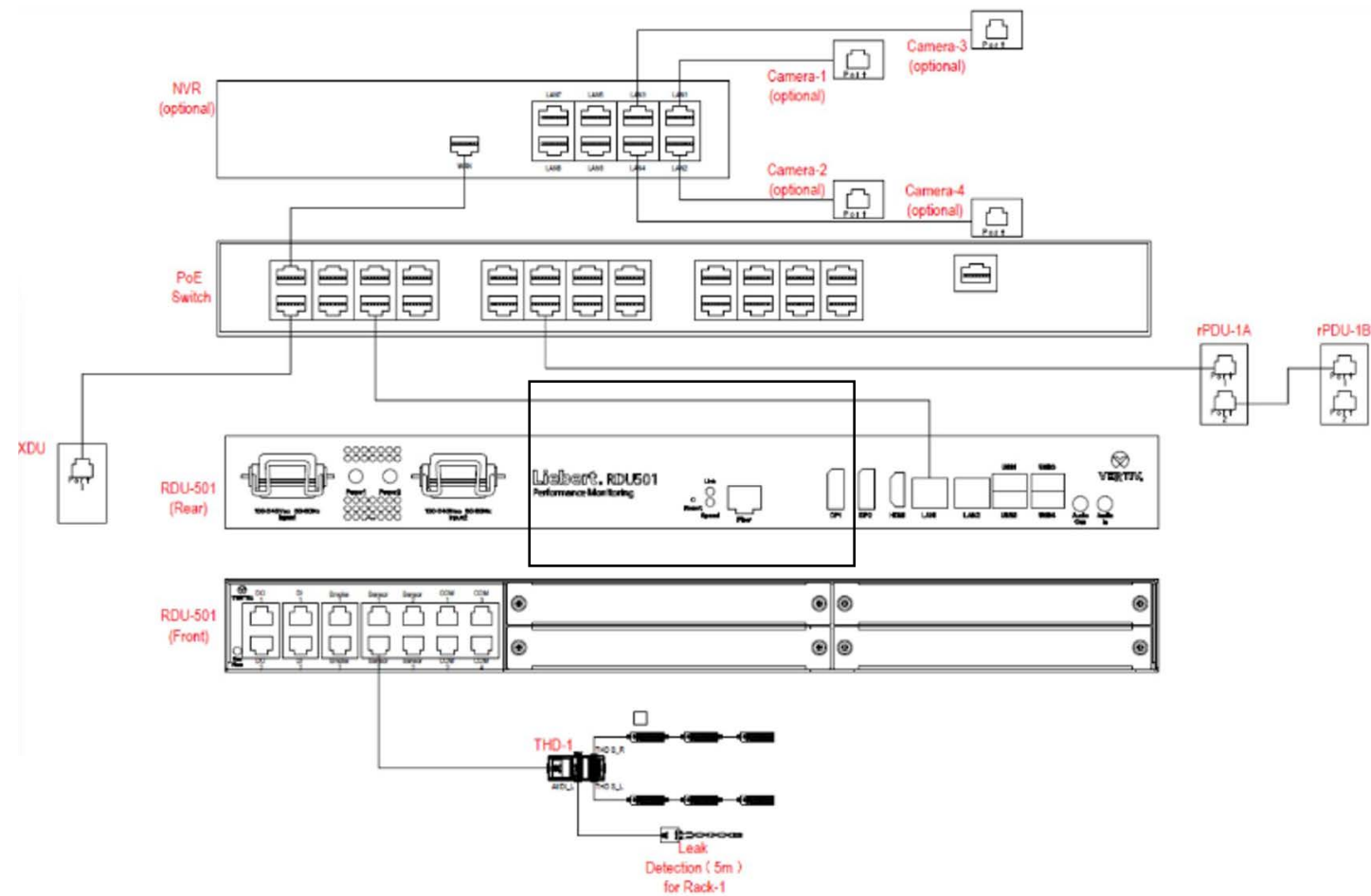


Simplified Electric Diagram - Power

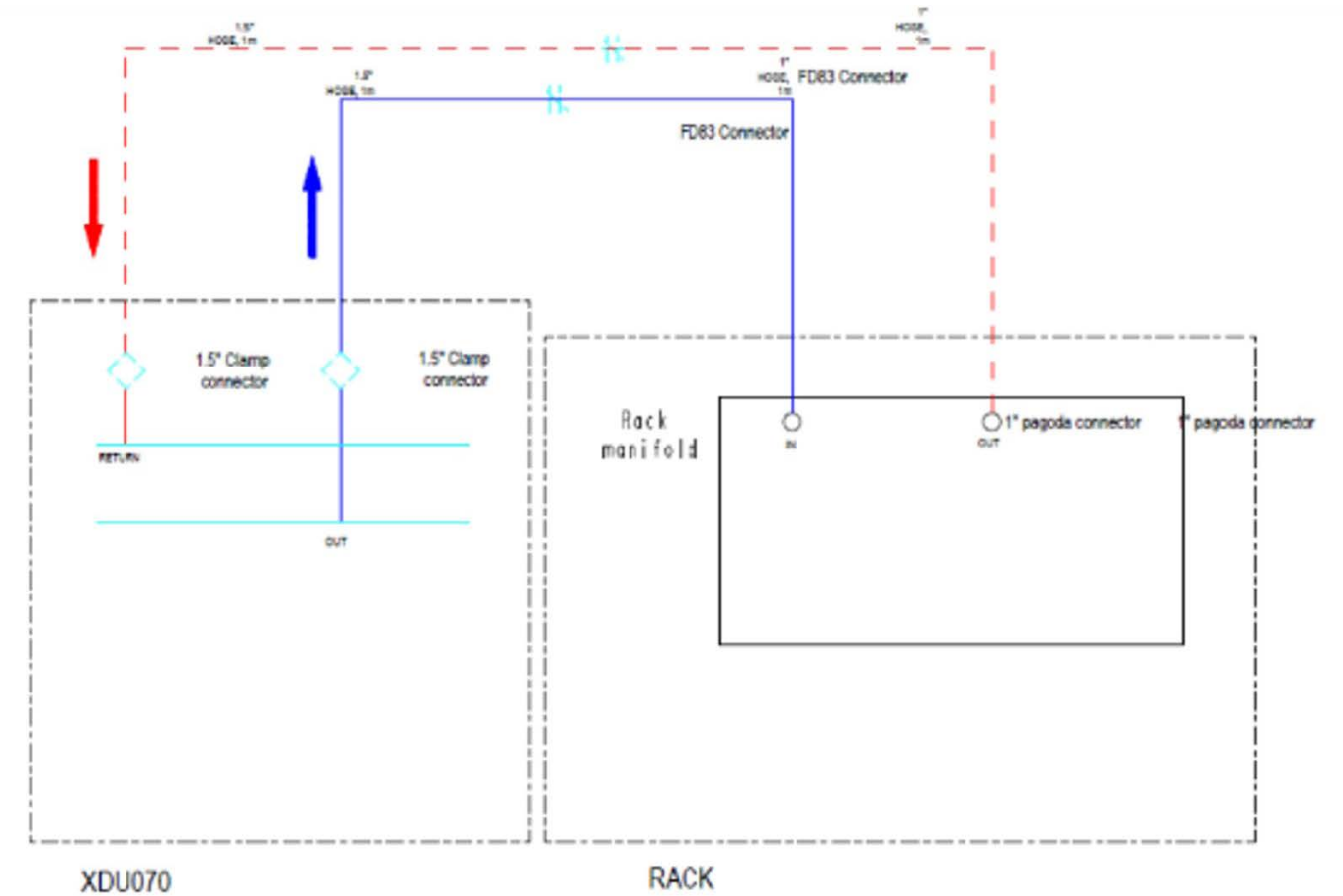


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Monitoring Diagram



Simplified Piping Diagram



Technical Specifications

Weights by component

SKU	Quantity	Weight (per SKU)	Total weight
XDU070	1	599 lbs (272 kg)	599 lbs (272 kg)
VR9357	1	538 lbs (244 kg)	538 lbs (244 kg)
VP7UA002	2	22 lbs (10 kg)	44 lbs (20 kg)
RM124 (rack manifold)	1	31 lbs (14 kg)	31 lbs (14 kg)

Rack Enclosure Static Load Rating

SKU	Maximum Static load capacity
VR9357	4250 lbs (1928 kg)

Operating and storage conditions

Operation conditions	Operation temperature range: 0° to 104° F (-17.8° to 40° C)
	Operation relative humidity range: 10% to 90%RH (non-condensing)
Storage conditions	Storage temperature range: -40° to 158° F (-40° to 70° C)
	Storage relative humidity range: 5% to 93%RH (non-condensing)

Product Details

Vertiv™ Liebert® XDU070 Coolant Distribution Unit



Designed to support liquid cooling within high density environments, the Vertiv™ Liebert® XDU070 Coolant Distribution Unit is suitable for chip & rear door cooling applications to offer easy, cost-effective deployment in any data center.

Key Benefits:

- Achieve incredible efficiency in high-density environments.
- Protects secondary liquid network with strict conformance to wetted material compatibility.
- Intuitively designed for ease of deployment.
- Accommodates any facility design and with multiple cooling configurations.
- Robust design with confidence inspiring redundancy options including teaming for the most demanding applications.
- Integrated controller designed from the ground up to be easy to deploy and supports leak detection.
- Flexible support services available for installation and maintenance with same day options.

Product Details

Vertiv™ Geist™ VP7UA002 rPDU



Upgradeable Switched Outlet Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering individual outlet level control and a comprehensive view of outlet level power usage via remote network access. Includes environmental monitoring capabilities to obtain real-time environmental metrics.

Key Benefits:

- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote outlet-level power monitoring options offers quick access to critical power usage information down to the device level to evaluate energy usage trends and maximize uptime.
- Environmental monitoring capabilities with the addition of optional environmental sensors ensure users have critical infrastructure data at their fingertips to prevent climate-related equipment failure and system downtime.
- Fault-Tolerant Daisy Chaining with RSTP simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs. Supports up to 40 rPDUs.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.



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