

HyprEdge Liquid Cooled Chassis

Introducing HyprCool's Direct to Server Spraying Jet Impingement Liquid Cooling systems for Data Centers and Enterprises

Precision liquid cooling performance for your demanding computing needs

Features

- IP67 sealed chassis design
- Single server up to 3kW/chassis
- Modular design architecture
- Whisper quiet operation
- Easi-Access cassette system
- Front facing IO and power ports
- LCD touch control panel
- Fits on standard 19" racks, 15 chassis/rack

Technical Specifications

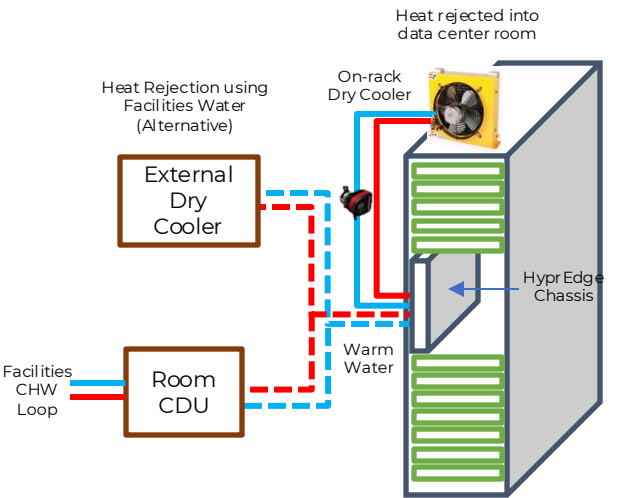
- Dimension: D1000mm x W 92mm x H610mm
- Weight: 47kg empty
- Self circulating coolant in a closed loop
- Internal Plate Heat Exchanger
- Facility water, Inlet: up to 40C
- pPue <1.1, tested in part load conditions, potentially lower in full load conditions
- Coolant type – 2phase, fluorinate, 0 ODP, 120 GWP
- Non-toxic coolant, residue free
- Suitable for 19" 1U rack mounted servers
- Interchangeable cassette with HyprEdge-5 chassis



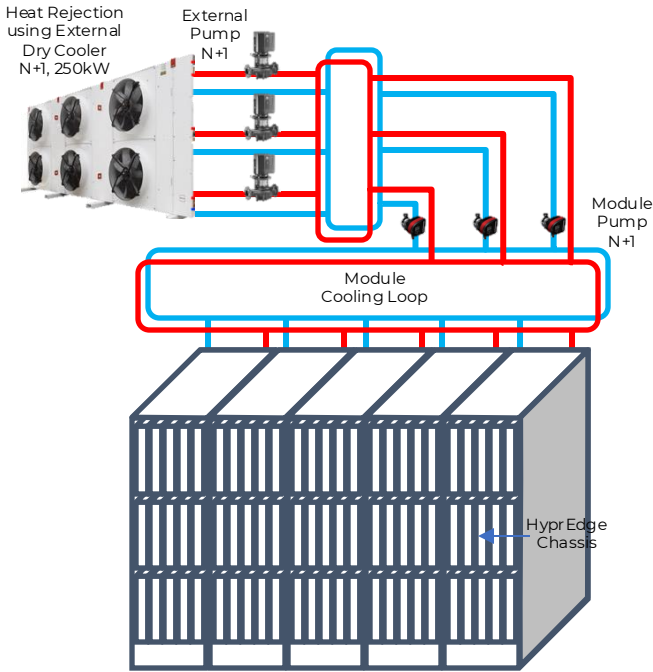
Chiller-less system that fits into both greenfield and brownfield applications

Self-balancing, closed loop, external cooling design ensure better \$/kWh cooling performance, save up to 90% of energy usage for cooling per year*

Concurrent maintainable external cooling loop fits seamlessly into most green and brownfield datacenter architectures



Hotspot mitigation deployment example



5 Racks, 75 Chassis, Modular Block Setup

	Single Chassis	5 Rack Module	Data Center Room
Heat removal capacity per chassis/rack	Up to 11kW/chassis	Up to 250kW per module	Multiple 250kW modules
Heat load distribution	Single or dual pump	N+1 pumps, Self balancing	Up to 2N pumps, Self balancing
Dry cooler redundancy	Single dry cooler setup	N+1 external dry cooler setup	Up to 2N external dry cooler setup
Power requirements	240V, 10A	415V, 60A	415V, 200A
Piping requirements	Non-insulated piping works		
No of chassis/racks	Up to 15 servers per rack	15 servers per rack, 5-racks module	Multiple 5-racks modules
Heat rejection medium	Water – closed loop system, option for water treatment system		

* Based on 2MW cooling setup using CRACS, chilled water pumping loops and Air-Cooled chillers.

HyprEdge5 Liquid Cooled Chassis

Introducing HyprCool's Direct to Server Spraying Jet Impingement Liquid Cooling systems for Data Centers and Enterprises

Precision liquid cooling performance for your demanding computing needs

Features

- IP67 sealed chassis design
- 5 servers up to 6kW/chassis
- Modular design architecture
- Whisper quiet operation
- Easi-Access cassette system
- Front facing IO and power ports
- LCD touch control panel
- Fits on standard 19" racks, 3 chassis/rack

Technical Specifications

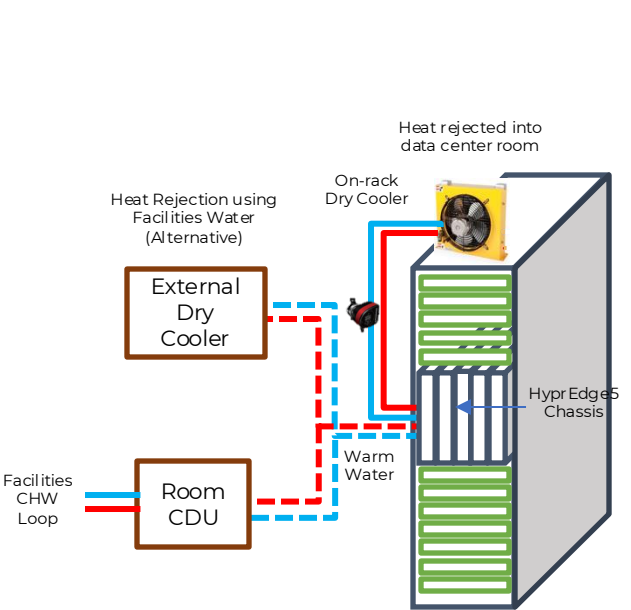
- Dimension: D1040mm x W 448mm x H610mm
- Weight: 70kg empty
- Self circulating coolant in a closed loop
- Internal Plate Heat Exchanger
- Facility water, Inlet: up to 40C
- pPue <1.1, tested in part load conditions, potentially lower in full load conditions
- Coolant type – 2phase, fluorinate, 0 ODP, 120 GWP
- Non-toxic coolant, residue free
- Suitable for 19" 1U rack mounted servers
- Interchangeable cassette with HyprEdge chassis



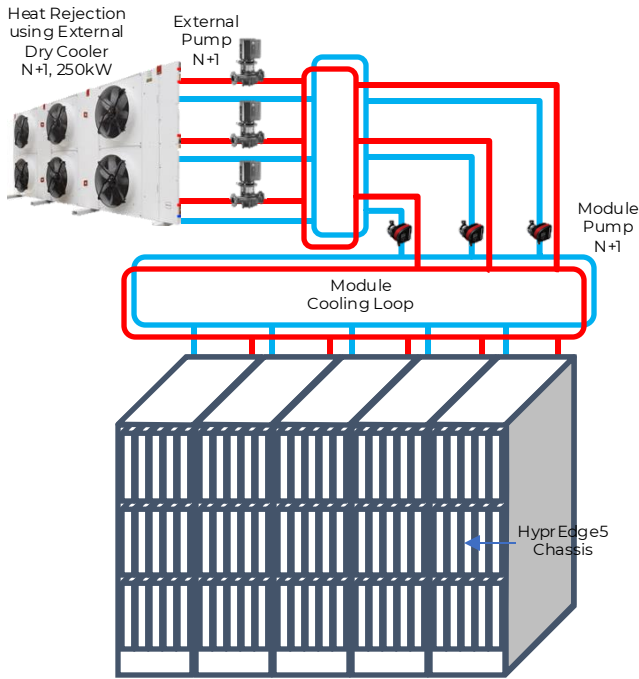
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