Rear Door Heat Exchanger (RDHx)

[INTELLI]RACK®   [INTELLI]RACK® AL100

NVIDIA MGX READY

Data Center Liquid Cooling

Designed for the highest computational demands today, AMAX liquid cooling solutions bring flexibility, eco-friendly design, and maximum performance to the data centers of tomorrow.

[INTELLI]Rack® L100

The AMAX [INTELLI]Rack® L100 employs advanced liquid-to-liquid and air-to-air cooling, efficiently handling 100kW to support the most demanding AI workloads without a rear door heat exchanger.

[INTELLI]Rack® AL100

The AMAX [INTELLI]Rack® AL100, featuring hybrid cooling technology and a rear door heat exchanger, exhausts all heat to facility water, delivering 100kW capacity for the most intensive AI applications.

KEY FEATURES

- [INTELLI]Rack® L100: 100kW Cooling; 100% w/ RDHx; 80% efficiency w/o RDHx
- [INTELLI]RACK® AL100: 100kW Cooling
- OCP Compliant
- Hot swappable Redundant 1+1 pumps, 2+1 PSUs

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AMAX COOLING // DATASHEET

SPECIFICATIONS

Feature	
Product Name	[INTELLI]RACK® AL100
Cooling Mechanism	Liquid-to-Liquid and Air-to-Liquid
Rack Size	600 mm x 1287 mm x 2295 mm
Cooling Capability	100kW (w/ RDHx: 100% heat dissipated through liquid; w/o RDHx: 80% heat dissipated through liquid)
Computing Node	RU/OU 21" server compatible
Redundancy	1+1 pumps, 2 +1 PSUs
Serviceability	Blind-mate mechanism, Front Access IT equipment, Slide-rails compatible, Hot swappable pumps, PSUs, control board

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DISCOVER THE COOLEST SOLUTIONS AND TRANSFORM YOUR DATA CENTER

Future Focused Data Center Deployment

The AMAX [INTELLI]RACK® AL100 and L100 push data center operations to the next level by incorporating advanced liquid cooling solutions to meet the extreme thermal demands of today's latest chip technologies. Each capacity-optimized rack is crafted to support the intensive computational demands of AI training, data analytics, and high-performance computing.

Offering a cooling potential of up to 100kW, the [INTELLI]RACK® series provides reliable, scalable infrastructure solutions that emphasize energy efficiency and reduce environmental footprint. Chosen by tier one cloud service providers to power the most sophisticated data centers globally, the [INTELLI]RACK® series sets a new standard for enterprise AI deployment.

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