Rear Door Heat Exchanger (RDHx)

IntelliRack A45

Sidecar

NVIDIA MGX READY

Industrial Compute Liquid Cooling

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

IntelliRack A45 & Sidecar

The AMAX IntelliRack A45 offers a complete liquid-to-air cooling solution equipped with either a RDHx or Sidecar attachment. Ready for immediate deployment across diverse business infrastructures and data centers without the need for external facility water.

KEY FEATURES

- No Facility Water Needed
- 76 kW Cooling w/ Sidecar or 45kW Cooling w/ RDHx
- 220 VAC Power w/ Sidecar or 48 VDC w/ RDHx
- Hot Swappable Redundant Fan/Pump/PSUs

OCP Compliant

The IntelliRack A45 and Sidecar are designed for the 21" OCP server format but can also fit standard 19" servers. The OCP model improves thermal management and simplifies server deployment.

SPECIFICATIONS

Feature	
Product Name	IntelliRack A45 & Sidecar
Cooling Mechanism	Air-Assisted Liquid Cooling
Rack Size	600mm x 1068mm x 2295mm
Cooling Capability	76kW w/ Sidecar or 45kW Cooling w/ RDHx
Rack Deployment	Supports Multiple Racks
Cooling Kits	Modular RPU Radiator
Redundancy	15+1 Fans 2+1 Pumps 3+3 PSUs
Serviceability	Front-Access, Hot Swappable Fans, Pumps, PSUs, Control Board

DISCOVER AMAX LIQUID COOLING SOLUTIONS AND TRANSFORM YOUR FACILITY

AMAX EXPERT DEPLOYMENT

The AMAX IntelliRack A45 & Sidecar redefines rack level thermal management by leveraging cutting-edge liquid cooling technology in a compact rack system. Our comprehensive solution enables businesses of all sizes to achieve maximum server density, computational power, and manage heat effectively.

Designed for the intensive demands of AI training, inferencing, data science, and HPC. The IntelliRack A45 & Sidecar offers peak performance under the most challenging thermal conditions, providing a scalable solution for enterprises aiming to lead in future industrial compute deployment.