



LIQUID-TO-AIR COOLING



Rear Door Heat  
Exchanger (RDHx)

[INTELLI]RACK® A45

Sidecar

**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® A45 & Sidecar

The AMAX [INTELLI]RACK® 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 [INTELLI]RACK® 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.



AMAX COOLING // [DATASHEET](#)

# SPECIFICATIONS

| Feature            |                                                              |
|--------------------|--------------------------------------------------------------|
| Product Name       | [INTELLI]RACK® 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<br>Radiator                                      |
| Redundancy         | 15+1 Fans<br>2+1 Pumps<br>3+3 PSUs                           |
| Serviceability     | Front-Access, Hot Swappable Fans, Pumps, PSUs, Control Board |

DISCOVER AMAX  
LIQUID COOLING  
SOLUTIONS AND  
TRANSFORM YOUR  
DATA CENTER



## AMAX EXPERT DEPLOYMENT

The AMAX [INTELLI]RACK® 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 [INTELLI]RACK® A45 & Sidecar offers peak performance under the most challenging thermal conditions, providing a scalable solution for enterprises aiming to lead in future data center deployment.

