

Vertiv™ CoolPhase Flex



A highly efficient, easily installed all-in-one liquid and air-packaged cooling solution.

Key Benefits

- **Future-ready** - Deploy air cooling to meet the needs of today, and turn on liquid cooling capabilities when your business is ready with minimal disruptions to daily operations.
- **Versatile solutions** - Enable teams to meet the data center's current and future needs. Whether liquid, air, or a combination of both, Vertiv CoolPhase Flex's refrigerant-based heat rejection technology uses standardized or mixed-rack density designs for a modular and scalable approach.
- **Rapidly deploy and adapt** - Convert between air and liquid cooling in as little as four hours with no additional internal components required. With minimal onsite construction needed to install Vertiv CoolPhase Flex, data centers can begin operations almost immediately.
- **Uncompromised efficiency** - Automatically switch to free cooling modes whenever external conditions are appropriate with pumped refrigerant economization (PRE) technology.
- **Space savings** - Free up valuable whitespace as Vertiv CoolPhase Flex is a self-contained packaged system installed outside the data center.
- **Cost savings** - Simultaneously deliver lower total cost of ownership (TCO) and upgrade to a liquid-cooled deployment as Vertiv CoolPhase Flex needs no major infrastructure overhauls.

Designed for AI, Vertiv™ CoolPhase Flex is a liquid and air-cooled packaged system designed for high-density applications—a first of its kind in the industry. Deploy this hybrid cooling solution initially as either air or liquid cooling, and if the need arises, convert the unit in the field in as little as four hours to support current business needs.

Cooling deployed today, designed for tomorrow.

High-performance computing (HPC) is rapidly changing the data center landscape, making it difficult for some operators to keep up with their business needs. Through close collaboration with industry partners, Vertiv defined a vision for a forward-looking cooling solution with the Vertiv™ CoolPhase Flex packaged system

The Vertiv CoolPhase Flex packaged cooling system can be deployed as an air cooling solution, operating as a legacy Vertiv™ Liebert® DSE packaged unit, or as a liquid cooling solution for high-density requirements. This flexibility—to deploy either air or liquid and subsequently convert as needed—provides businesses with the confidence to solve current problems while anticipating future requirements with minimal operational disruptions.

The popularization of AI pushed the development of new and advanced cooling technologies to prevent downtime, enable agility and flexibility, and adapt for future business growth. The Vertiv CoolPhase Flex delivers all that and more.

Key product features:

- Air and liquid cooling components installed as standard.
- Up to 400kW capacity with variable speed compressor for capacity modulation.
- Economizer operation for increased efficiency.
- Integrated UPS for liquid cooling backup power.
- Built-in controls with unit-to-unit communication.



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Vertiv.com | Vertiv Headquarters, 505 N Cleveland Ave, Westerville, OH 43082, USA

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