

Data Center Cooling Market by Solution (Air Conditioning, Chilling Unit, Cooling Tower, Economizer System, Liquid Cooling System, Control System), Service, Type of Cooling, Data Center Type, End-use Industry, and Region - Global Forecast to 2032

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Report description:

The global data center cooling market is projected to grow from USD 11.08 billion in 2025 to USD 24.19 billion by 2032, at a CAGR of 11.8% during the forecast period. The market is driven by factors including the need for improving efficiency in data centers and an increase in the number of data centers across various end-use industries, including IT & telecom, BFSI, government & defense, research & academic, healthcare, manufacturing, retail, energy, and other industries.

"Installation and deployment segment, by service, is estimated to account for the second-largest share of the market during the forecast period."

<https://www.marketsandmarkets.com/Images/data-center-cooling-solutions-market-Overview.webp>

The installation and deployment segment, by service, is projected to account for the second-largest share in the data center cooling market during the forecast period. This growth is driven by the rising demand for customized and energy-efficient cooling systems that are tailored to the specific layout and operational requirements of modern data centers. As data centers expand in size and complexity, especially hyperscale and colocation facilities, organizations increasingly rely on specialized service providers for the seamless integration of advanced cooling technologies such as liquid cooling, direct-to-chip cooling, and containment systems.

The installation and deployment phase is crucial as it directly impacts the overall performance, uptime, and energy efficiency of the cooling infrastructure. It involves not only setting up physical cooling units but also integrating them with the data center's power systems, environmental monitoring tools, and control systems. Additionally, with the growing emphasis on sustainability

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and regulatory compliance, professional deployment ensures that cooling systems meet green building certifications and carbon reduction goals.

"Liquid cooling systems, by solution, is estimated to account for the second-largest share of the market during the forecast period."

The liquid cooling systems segment, by solution, is projected to hold the second-largest share of the data center cooling market during the forecast period. This growth is fueled by the increasing adoption of high-performance computing, AI, and dense server architectures that generate significant heat, requiring more efficient cooling methods than traditional air systems. Liquid cooling offers superior thermal management, reduced energy consumption, and better space utilization, making it ideal for modern, high-density data centers. As operators seek sustainable and cost-effective solutions, liquid cooling is emerging as a critical component in next-generation data center infrastructure.

Profile break-up of primary participants for the report:

-□By Company Type: Tier 1 - 16%, Tier 2 - 36%, and Tier 3 - 48%

-□By Designation: C-level- 16%, Director Level- 24%, and Others - 60%

-□By Region: North America - 36%, Europe - 24%, Asia Pacific - 20%, Middle East & Africa - 12%, and South America - 8%

Vertiv Group Corp. (US), Green Revolution Cooling, Inc. (US), Submer (Spain), Asperitas (Netherlands), and COOLIT Systems (Canada) are some of the major players operating in the data center cooling market. These players have adopted strategies such as acquisitions, expansions, partnerships, and agreements to increase their market share and business revenue.

Research Coverage:

The report defines, segments, and projects the data center cooling market based on data center type, type of cooling, service, solution, end-use industry, component, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It strategically profiles data center cooling manufacturers and comprehensively analyzes their market shares and core competencies, as well as tracks and analyzes competitive developments, such as expansions, partnerships, and product launches, undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them with the closest approximations of revenue numbers of the data center cooling market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (need for improving efficiency in data centers, significant growth in number of data centers), restraints (high capital investment, requirement of specialized infrastructure), opportunities (emergence of liquid cooling technology, growing requirement for modular data center cooling, and development of innovative cooling techniques), and challenges (cooling challenges during power outage and necessity of reducing carbon emissions) influencing the growth of the data center cooling market.

- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities in the data center cooling market.

- Market Development: Comprehensive information about lucrative markets - the report analyzes the data center cooling market across varied regions.

- Market Diversification: Exhaustive information about new products, various types, untapped geographies, recent developments,

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and investments in the data center cooling market.

- Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players such as Carrier (US), Trane Technologies PLC (Ireland), Alfa Laval (Sweden), Daikin Industries Ltd. (Japan), Super Micro Computer Inc. (US), DCX Liquid Cooling Systems (Poland), Johnson Controls, Inc. (US), Modine (US), BOYD (US), Schneider Electric (France), STULZ GMBH (Germany), Delta Power Solution (Taiwan), Vertiv group Corp (US), COOLIT Systems (Canada), Rittal GmbH & Co. KG (Germany), Green Revolution Cooling Inc. (US), Iceotope Precision Liquid Cooling (UK), DUG Technology (Australia), Submer (Spain), Midas Immersion Cooling (US), Chilldyne Inc. (US), Asperitas (Netherlands), Munters (Sweden), Black Box (US), LiquidStack Holdings B.V. (US), Liquid Cool Solutions (US), Mitsubishi Electric Corporation (Japan), Flex Ltd (US), and others in the data center cooling market.

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