

Data Center Cooling Market Forecast (2023–2033) : 15.7% CAGR to Reach \$80.1 Billion

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UNITED STATES, August 7, 2025
/EINPresswire.com/ -- Allied Market
Research published a report, titled,
"[Data Center Cooling Market](#) by
Component (Solution and Services),
Application (Room-Based Cooling,
Rack-Based Cooling, and Row-Based
Cooling), and Industry Vertical (IT and
Telecom, Manufacturing, BFSI, Media
and Entertainment, Government and
Defense, Healthcare, Energy, and
Others): Global Opportunity Analysis
and Industry Forecast, 2023-2033".



Market Size : The global data center cooling market size was valued at USD 18.7 billion in 2023, and is projected to reach USD 80.1 billion by 2033, growing at a CAGR of 15.7% from 2023 to 2033.

Prime Determinants of Growth

Rise in data center demand, rise in high-performance computing, including AI, machine learning, and big data analytics, and rise in adoption of hyperscale and edge data centers are the factors expected to propel the growth of the global data center cooling market. However, the high initial cost is anticipated to hamper the growth of the global market.

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Report Coverage & Details :

The solution segment dominates the market

By component, the solution segment held the highest market share in 2023, accounting for more than three-fifths of the data center cooling market revenue and is estimated to maintain its leadership status during the forecast period, owing to increase in the adoption of data center cooling as it offers, energy-efficient, environment-friendly, and cost-effective cooling solutions that drive the segment growth. In addition, stringent environmental safety rules imposed by various governments are further expected to propel the overall market growth. However, the services segment is expected to attain the largest CAGR of 16.9% from 2024 to 2032 and is projected to maintain its lead position during the forecast period, as data centers are required to be maintained by trained professionals to keep efficiency intact. Moreover, the rapid growth in data centers, service providers for services such as installation & deployment, support & maintenance, and consulting for data center cooling drives the segment growth in the data center cooling market.

The rack-based cooling segment to maintain its lead position during the forecast period

By cooling type, the room-based cooling segment accounted for the largest share in 2023, contributing more than two-fifths of the data center cooling market revenue, owing to less use of pipes and ducts compared to other cooling types. Air-conditioners and other air-based cooling circulate air in data centers to maintain temperature within permissible limits. Room-based cooling is gaining popularity due to its energy-efficient cooling, which is further expected to propel the overall market growth. However, the rack-based cooling segment is expected to attain the largest CAGR of 17% from 2024 to 2032 and is projected to maintain its lead position during the forecast period, owing to the increasing demand for more efficient cooling solutions in high-density environments. As data centers evolve and handle more advanced IT workloads such as cloud computing and artificial intelligence, there is a need for more targeted and efficient cooling, which is driving the growth of this segment in the global data center cooling market.

The IT and Telecom segment to maintain its lead position during the forecast period

By industry vertical, the BFSI segment accounted for the largest share in 2023, contributing nearly one-fifth of the data center cooling market revenue, owing to financial institutions and insurance companies relying heavily on data centers to handle large volumes of sensitive financial transactions and customer data. These activities produce a lot of heat, and to maintain compliance with stringent regulations and ensure smooth operations, these organizations need highly dependable and effective cooling solutions to preserve data integrity and maintain uptime. This is also anticipated to drive the growth of the market. However, the IT and telecom segment is expected to attain the largest CAGR of 14.9% from 2024 to 2032 and is projected to maintain its lead position during the forecast period, owing to rapid expansion of cloud computing, 5G networks, edge computing, and other data-intensive technologies. These industries are growing quickly as companies and service providers expand their digital infrastructure, and with this growth comes an increased demand for cooling solutions to manage the higher power consumption and heat generated by advanced technologies like artificial intelligence, machine learning, and large-scale data storage, thereby, driving the growth of this

segment in the global data center cooling market.

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North America region to maintain its dominance by 2032

By region, North America held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the data center cooling market revenue, owing to technological advancements and recent developments in the market. Moreover, companies in this region are focusing more on the implementation of cost-effective and environment-friendly cooling solutions. This is anticipated to propel the growth of the market in this region. However, Asia-Pacific is projected to attain the highest CAGR of 32.7% from 2023 to 2032, owing to increasing demand for cloud computing, data processing, and the rise of emerging technologies such as AI, big data, and IoT, which are driving the construction of new data centers across the region. Furthermore, the Asia-Pacific region has a growing number of hyperscale data centers, which is expected to contribute to the growth of the market in this region.

Leading Market Players: -

Schneider Electric Se

Black Box Corporation

Nortek Air Solutions, LLC

Airedale International Air Conditioning Ltd

Hitachi, Ltd.

Rittal GmbH & Co. Kg

Fujitsu Ltd.

Stulz GmbH

Vertiv

Asetek.

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The report provides a detailed analysis of these key players in the data center cooling market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different countries. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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