

Data Center Cooling Market by Component (Solution and Service), Type of Cooling (Room-Based Cooling, Rack-Based Cooling, and Row-Based Cooling), Type of Data Center (Enterprise Data Center, Colocation Data Center, Wholesale Data Center, Hyperscale Data Center, and Others), and Industry Vertical (BFSI, Manufacturing, IT & Telecom, Media & Entertainment, Retail, Government & Defense, Healthcare, Energy, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

Data center cooling refers to collective tools, techniques, and equipment that ensure temperature within permissible limit in data centers. Cooling system maintains required air circulation to each row and rack in data centers. These cooling systems consist of infrastructure, management, and monitoring. Infrastructure includes air ducts, chillers, air conditioners, and cooling towers. Management includes management software deployed in data center cooling and monitoring includes equipment & procedure for monitoring data center temperature.

Rise in demand for efficient and cost-effective data centers, green initiatives for eco-friendly data center solutions, and substantial growth with data centers and power density fuel growth of the global data center cooling market.

However, requirement for specialized infrastructure & higher investment costs hinder growth of the global market. In addition, cooling challenges during power outage is also

expected to impend growth of the global market.

Furthermore, emergence of liquid-based and portable cooling and rise in requirement for modular data center cooling approach are anticipated to fuel growth of the data center cooling market. The global data center cooling market is segmented on the basis of component, type of cooling, type of data centers, industry verticals, and region. On the basis of component, it is categorized into solutions and services.

On the basis of type of cooling, it is divided into room-based cooling, rack-based cooling, and row-based cooling. On the basis of type of data center, it is segmented into enterprise data center, colocation data center, wholesale data center, hyperscale data center, and others. By industry vertical, it is segmented into BFSI, manufacturing, IT & telecom, media & entertainment, healthcare, government & defense, retail, energy, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The report analyzes profiles of key players operating in the market, which include 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 Co; and Asetek.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global data center cooling market along with the current & future trends to elucidate the imminent investment pockets.

Information about key drivers, restrains, and opportunities and their impact analyses on the market size is provided in the report.

Porter's five forces analysis illustrates the potency of buyers and suppliers operating in the industry.

The quantitative analysis of the global Data center cooling market from 2019 to 2027 is provided to determine the market potential.

KEY MARKET SEGMENTS

By Component

Solution

Services

By Type Of Cooling

Room-Based Cooling

Rack-Based Cooling

Row-Based Cooling

By Type Of Data Centers

Enterprise Data Centers

Colocation Data Centers

Wholesale Data Centers

Hyperscale Data Centers

Others

By Industry Vertical

BFSI

Manufacturing

IT & Telecom

Healthcare

Government & Defense

Retail

Energy

Others

By Region

North America

U.S.

Canada

Europe

UK

Germany

France

Russia

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY MARKET PLAYERS

Asetek

Airedale International Air Conditioning

Black Box Corporation

Fujitsu Limited

Hitachi, Ltd.

Nortek Air Solutions

Rittal GmbH & Co. KG

STULZ GmbH

Schneider Electric

Vertiv Co.

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