

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.

Contents

CHAPTER 1:INTRODUCTION

- 1.1.REPORT DESCRIPTION
- 1.2.KEY BENEFITS FOR STAKEHOLDERS
- 1.3.KEY MARKET SEGMENTS
- 1.4.RESEARCH METHODOLOGY
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools & models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.KEY FINDINGS
 - 2.1.1.Top impacting factors
 - 2.1.2.Top investment pockets
- 2.2.CXO PERSPECTIVE

CHAPTER 3:MARKET OVERVIEW

- 3.1.MARKET DEFINITION AND SCOPE
- 3.2.PORTER'S FIVE FORCES ANALYSIS
- 3.3.KEY PLAYER POSITIONING, 2019
- 3.4.CASE STUDIES
 - 3.4.1.Case study
 - 3.4.2.Case study
- 3.5.MARKET DYNAMICS
 - 3.5.1.Drivers
 - 3.5.1.1.Increase in the demand for efficient and cost-effective data centers
 - 3.5.1.2.Green initiatives for eco-friendly data center solutions
 - 3.5.1.3.Substantial growth of data centers and power density
 - 3.5.2.Restraints
 - 3.5.2.1.Requirement of specialized infrastructure and higher investment cost
 - 3.5.2.2.Cooling challenges during power outage
 - 3.5.3.Opportunities
 - 3.5.3.1.Emergence of liquid-based cooling and portable cooling technology
 - 3.5.3.2.Growth in requirement for modular data center cooling approach
- 3.6.IMPACT ANALYSIS: COVID-19 ON DATA CENTER COOLING MARKET

- 3.6.1.Impact on market size
- 3.6.2.Consumer trends, preferences, and budget impact
- 3.6.3.Regulatory framework
- 3.6.4.Economic impact
- 3.6.5.Key player strategies to tackle negative impact
- 3.6.6.Opportunity window (due to COVID outbreak)

CHAPTER 4:DATA CENTER COOLING MARKET, BY COMPONENT

4.1.OVERVIEW

4.2.SOLUTIONS

- 4.2.1.Key market trends, growth factors, and opportunities
- 4.2.2.Market size and forecast, by region
- 4.2.3.Market analysis, by country
- 4.2.4.Data center cooling solutions market, by component type
 - 4.2.4.1.Air conditioners
 - 4.2.4.2.Air handling unit
 - 4.2.4.3.Chiller
 - 4.2.4.4.Cooling towers
 - 4.2.4.5.Pumps
 - 4.2.4.6.Others
 - 4.2.4.7.Data center cooling solutions market size and forecast, by component type

4.3.SERVICES

- 4.3.1.Key market trends, growth factors and opportunities
- 4.3.2.Market size and forecast, by region
- 4.3.3.Market analysis, by country
- 4.3.4.Data center cooling services market, by type
 - 4.3.4.1.Installation & deployment
 - 4.3.4.2.Support & Maintenance
 - 4.3.4.3.Consulting
 - 4.3.4.4.Data center cooling services market size and forecast, by type

CHAPTER 5:DATA CENTER COOLING MARKET, BY TYPE OF COOLING

5.1.OVERVIEW

5.2.ROOM-BASED COOLING

- 5.2.1.Key market trends, growth factors, and opportunities
- 5.2.2.Market size and forecast, by region
- 5.2.3.Market analysis, by country

5.3.RACK-BASED COOLING

- 5.3.1.Key market trends, growth factors, and opportunities
- 5.3.2.Market size and forecast, by region
- 5.3.3.Market analysis, by country

5.4.ROW-BASED COOLING

- 5.4.1.Key market trends, growth factors and opportunities
- 5.4.2.Market size and forecast, by region
- 5.4.3.Market analysis, by country

CHAPTER 6:DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER

6.1.OVERVIEW

6.2.ENTERPRISE DATA CENTER

- 6.2.1.Key market trends, growth factors and opportunities
- 6.2.2.Market size and forecast, by region
- 6.2.3.Market analysis, by country

6.3.COLOCATION DATA CENTER

- 6.3.1.Key market trends, growth factors and opportunities
- 6.3.2.Market size and forecast, by region
- 6.3.3.Market analysis, by country

6.4.WHOLESALE DATA CENTER

- 6.4.1.Key market trends, growth factors, and opportunities
- 6.4.2.Market size and forecast, by region
- 6.4.3.Market analysis, by country

6.5.HYPERSCALE DATA CENTER

- 6.5.1.Key market trends, growth factors, and opportunities
- 6.5.2.Market size and forecast, by region
- 6.5.3.Market analysis, by country

6.6.OTHERS

- 6.6.1.Key market trends, growth factors, and opportunities
- 6.6.2.Market size and forecast, by region
- 6.6.3.Market analysis, by country

CHAPTER 7:DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL

7.1.OVERVIEW

7.2.BFSI

- 7.2.1.Key market trends, growth factors and opportunities
- 7.2.2.Market size and forecast, by region

7.2.3.Market analysis, by country

7.3.MANUFACTURING

7.3.1.Key market trends, growth factors and opportunities

7.3.2.Market size and forecast, by region

7.3.3.Market analysis, by country

7.4.IT & TELECOM

7.4.1.Key market trends, growth factors, and opportunities

7.4.2.Market size and forecast, by region

7.4.3.Market analysis, by country

7.5.MEDIA & ENTERTAINMENT

7.5.1.Key market trends, growth factors, and opportunities

7.5.2.Market size and forecast, by region

7.5.3.Market analysis, by country

7.6.RETAIL

7.6.1.Key market trends, growth factors and opportunities

7.6.2.Market size and forecast, by region

7.6.3.Market analysis, by country

7.7.GOVERNMENT & DEFENSE

7.7.1.Key market trends, growth factors, and opportunities

7.7.2.Market size and forecast, by region

7.7.3.Market analysis, by country

7.8.HEALTHCARE

7.8.1.Key market trends, growth factors, and opportunities

7.8.2.Market size and forecast, by region

7.8.3.Market analysis, by country

7.9.ENERGY

7.9.1.Key market trends, growth factors, and opportunities

7.9.2.Market size and forecast, by region

7.9.3.Market analysis, by country

7.10.OTHERS

7.10.1.Key market trends, growth factors, and opportunities

7.10.2.Market size and forecast, by region

7.10.3.Market analysis, by country

CHAPTER 8:DATA CENTER COOLING MARKET, BY REGION

8.1.OVERVIEW

8.2.NORTH AMERICA

8.2.1.Key market trends, growth factors, and opportunities

8.2.2.Market size and forecast, by component

8.2.3.Market size and forecast, by type of cooling

8.2.4.Market size and forecast, by type of data center

8.2.5.Market size and forecast, by industry vertical

8.2.6.Market size and forecast, by country

8.2.6.1.U.S.

8.2.6.1.1.Market size and forecast, by component

8.2.6.1.2.Market size and forecast, by type of cooling

8.2.6.1.3.Market size and forecast, by type of data center

8.2.6.1.4.Market size and forecast, by industry vertical

8.2.6.2.Canada

8.2.6.2.1.Market size and forecast, by component

8.2.6.2.2.Market size and forecast, by type of cooling

8.2.6.2.3.Market size and forecast, by type of data center

8.2.6.2.4.Market size and forecast, by industry vertical

8.3.EUROPE

8.3.1.Key market trends, growth factors, and opportunities

8.3.2.Market size and forecast, by component

8.3.3.Market size and forecast, by type of cooling

8.3.4.Market size and forecast, by type of data center

8.3.5.Market size and forecast, by industry vertical

8.3.6.Market size and forecast, by country

8.3.6.1.UK

8.3.6.1.1.Market size and forecast, by component

8.3.6.1.2.Market size and forecast, by type of cooling

8.3.6.1.3.Market size and forecast, by type of data center

8.3.6.1.4.Market size and forecast, by industry vertical

8.3.6.2.Germany

8.3.6.2.1.Market size and forecast, by component

8.3.6.2.2.Market size and forecast, by type of cooling

8.3.6.2.3.Market size and forecast, by type of data center

8.3.6.2.4.Market size and forecast, by industry vertical

8.3.6.3.France

8.3.6.3.1.Market size and forecast, by component

8.3.6.3.2.Market size and forecast, by type of cooling

8.3.6.3.3.Market size and forecast, by type of data center

8.3.6.3.4.Market size and forecast, by industry vertical

8.3.6.4.Russia

8.3.6.4.1.Market size and forecast, by component

- 8.3.6.4.2. Market size and forecast, by type of cooling
- 8.3.6.4.3. Market size and forecast, by type of data center
- 8.3.6.4.4. Market size and forecast, by industry vertical
- 8.3.6.5. Rest of Europe
 - 8.3.6.5.1. Market size and forecast, by component
 - 8.3.6.5.2. Market size and forecast, by type of cooling
 - 8.3.6.5.3. Market size and forecast, by type of data center
 - 8.3.6.5.4. Market size and forecast, by industry vertical

8.4. ASIA-PACIFIC

- 8.4.1. Key market trends, growth factors, and opportunities
- 8.4.2. Market size and forecast, by component
- 8.4.3. Market size and forecast, by type of cooling
- 8.4.4. Market size and forecast, by type of data center
- 8.4.5. Market size and forecast, by industry vertical
- 8.4.6. Market size and forecast, by country
 - 8.4.6.1. China
 - 8.4.6.1.1. Market size and forecast, by component
 - 8.4.6.1.2. Market size and forecast, by type of cooling
 - 8.4.6.1.3. Market size and forecast, by type of data center
 - 8.4.6.1.4. Market size and forecast, by industry vertical
 - 8.4.6.2. India
 - 8.4.6.2.1. Market size and forecast, by component
 - 8.4.6.2.2. Market size and forecast, by type of cooling
 - 8.4.6.2.3. Market size and forecast, by type of data center
 - 8.4.6.2.4. Market size and forecast, by industry vertical
 - 8.4.6.3. Japan
 - 8.4.6.3.1. Market size and forecast, by component
 - 8.4.6.3.2. Market size and forecast, by type of cooling
 - 8.4.6.3.3. Market size and forecast, by type of data center
 - 8.4.6.3.4. Market size and forecast, by industry vertical
 - 8.4.6.4. Australia
 - 8.4.6.4.1. Market size and forecast, by component
 - 8.4.6.4.2. Market size and forecast, by type of cooling
 - 8.4.6.4.3. Market size and forecast, by type of data center
 - 8.4.6.4.4. Market size and forecast, by industry vertical
 - 8.4.6.5. Rest of Asia-Pacific
 - 8.4.6.5.1. Market size and forecast, by component
 - 8.4.6.5.2. Market size and forecast, by type of cooling
 - 8.4.6.5.3. Market size and forecast, by type of data center

8.4.6.5.4. Market size and forecast, by industry vertical

8.5. LAMEA

8.5.1. Key market trends, growth factors, and opportunities

8.5.2. Market size and forecast, by component

8.5.3. Market size and forecast, by type of cooling

8.5.4. Market size and forecast, by type of data center

8.5.5. Market size and forecast, by industry vertical

8.5.6. Market size and forecast, by country

8.5.6.1. Latin America

8.5.6.1.1. Market size and forecast, by component

8.5.6.1.2. Market size and forecast, by type of cooling

8.5.6.1.3. Market size and forecast, by type of data center

8.5.6.1.4. Market size and forecast, by industry vertical

8.5.6.2. Middle east

8.5.6.2.1. Market size and forecast, by component

8.5.6.2.2. Market size and forecast, by type of cooling

8.5.6.2.3. Market size and forecast, by type of data center

8.5.6.2.4. Market size and forecast, by industry vertical

8.5.6.3. Africa

8.5.6.3.1. Market size and forecast, by component

8.5.6.3.2. Market size and forecast, by type of cooling

8.5.6.3.3. Market size and forecast, by type of data center

8.5.6.3.4. Market size and forecast, by industry vertical

CHAPTER 9: COMPETITIVE LANDSCAPE

9.1. COMPETITIVE DASHBOARD

9.2. PRODUCT HEATMAP

9.3. TOP WINNING STRATEGIES

9.4. KEY DEVELOPMENTS

9.4.1. Product development

9.4.2. Partnership

9.4.3. Product Launch

9.4.4. Acquisition

9.4.5. Agreement

9.4.6. Collaboration

9.4.7. Business Expansion

9.4.8. Product expansion

9.4.9. Merger

CHAPTER 10:COMPANY PROFILE

10.1.AIREDALE INTERNATIONAL AIR CONDITIONING LTD.

- 10.1.1.Company overview
- 10.1.2.Key executives
- 10.1.3.Company snapshot
- 10.1.4.Operating segments
- 10.1.5.Product portfolio
- 10.1.6.R&D expenditure
- 10.1.7.Business performance
- 10.1.8.Key strategic moves and developments

10.2.ASETEK, INC.

- 10.2.1.Company overview
- 10.2.2.Key executives
- 10.2.3.Company snapshot
- 10.2.4.Operating business segments
- 10.2.5.Product portfolio
- 10.2.6.R&D expenditure
- 10.2.7.Business performance
- 10.2.8.Key strategic moves and developments

10.3.BLACK BOX CORPORATION

- 10.3.1.Company overview
- 10.3.2.Key executives
- 10.3.3.Company snapshot
- 10.3.4.Operating business segments
- 10.3.5.Product portfolio
- 10.3.6.Business performance
- 10.3.7.Key strategic moves and developments

10.4.FUJITSU

- 10.4.1.Company overview
- 10.4.2.Key executives
- 10.4.3.Company snapshot
- 10.4.4.Operating business segments
- 10.4.5.Product portfolio
- 10.4.6.R&D expenditure
- 10.4.7.Business performance
- 10.4.8.Key strategic moves and developments

10.5.HITACHI, LTD.

- 10.5.1. Company overview
- 10.5.2. Key executives
- 10.5.3. Company snapshot
- 10.5.4. Operating business segments
- 10.5.5. Product portfolio
- 10.5.6. R&D expenditure
- 10.5.7. Business performance
- 10.6. NORTEK AIR SOLUTIONS
 - 10.6.1. Company overview
 - 10.6.2. Key Executives
 - 10.6.3. Company snapshot
 - 10.6.4. Product portfolio
 - 10.6.5. Key strategic moves and developments
- 10.7. RITTAL GMBH & CO. KG
 - 10.7.1. Company overview
 - 10.7.2. Key executives
 - 10.7.3. Company snapshot
 - 10.7.4. Product portfolio
 - 10.7.5. Key strategic moves and developments
- 10.8. SCHNEIDER ELECTRIC
 - 10.8.1. Company overview
 - 10.8.2. Key executives
 - 10.8.3. Company snapshot
 - 10.8.4. Operating business segments
 - 10.8.5. Product portfolio
 - 10.8.6. R&D expenditure
 - 10.8.7. Business performance
 - 10.8.8. Key strategic moves and developments
- 10.9. STULZ GMBH
 - 10.9.1. Company overview
 - 10.9.2. Key executives
 - 10.9.3. Company snapshot
 - 10.9.4. Product portfolio
 - 10.9.5. Key strategic moves and developments
- 10.10. VERTIV GROUP CORP.
 - 10.10.1. Company overview
 - 10.10.2. Key executives
 - 10.10.3. Company snapshot
 - 10.10.4. Product portfolio

10.10.5. Business performance

10.10.6.Key strategic moves and developments

List Of Tables

LIST OF TABLES

TABLE 01.DATA CENTER COOLING MARKET REVENUE, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 02.DATA CENTER COOLING MARKET REVENUE FOR SOLUTIONS, BY REGION, 2019–2027(\$MILLION)

TABLE 03.DATA CENTER COOLING MARKET REVENUE FOR SOLUTION, BY COMPONENT TYPE, 2019–2027(\$MILLION)

TABLE 04.DATA CENTER COOLING MARKET REVENUE FOR SERVICES, BY REGION, 2019–2027(\$MILLION)

TABLE 05.DATA CENTER COOLING MARKET REVENUE FOR SOLUTION, BY TYPE, 2019–2027(\$MILLION)

TABLE 06.DATA CENTER COOLING MARKET REVENUE, BY TYPE OF COOLING, 2019–2027(\$MILLION)

TABLE 07.DATA CENTER COOLING MARKET REVENUE FOR ROOM-BASED COOLING TYPE, BY REGION,2019-2027 (\$MILLION)

TABLE 08.DATA CENTER COOLING MARKET REVENUE FOR RACK-BASED COOLING TYPE, BY REGION,2019-2027 (\$MILLION)

TABLE 09.DATA CENTER COOLING MARKET REVENUE FOR ROW-BASED COOLING TYPE, BY REGION, 2019–2027(\$MILLION)

TABLE 10.DATA CENTER COOLING MARKET REVENUE, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 11.DATA CENTER COOLING MARKET REVENUE FOR ENTERPRISE DATA CENTER, BY REGION, 2019–2027(\$MILLION)

TABLE 12.DATA CENTER COOLING MARKET REVENUE FOR COLOCATION DATA CENTER, BY REGION, 2019–2027(\$MILLION)

TABLE 13.DATA CENTER COOLING MARKET REVENUE FOR WHOLESALE DATA CENTER, BY REGION, 2019–2027(\$MILLION)

TABLE 14.DATA CENTER COOLING MARKET REVENUE FOR HYPERSCALE DATA CENTER, BY REGION, 2019–2027(\$MILLION)

TABLE 15.DATA CENTER COOLING MARKET REVENUE FOR OTHER DATA CENTER, BY REGION, 2019–2027(\$MILLION)

TABLE 16.DATA CENTER COOLING MARKET REVENUE, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 17.DATA CENTER COOLING MARKET REVENUE FOR BFSI , BY REGION, 2019–2027(\$MILLION)

TABLE 18.DATA CENTER COOLING MARKET REVENUE FOR MANUFATURING, BY

REGION, 2019–2027(\$MILLION)

TABLE 19.DATA CENTER COOLING MARKET REVENUE FOR IT & TELECOM, BY REGION, 2019–2027(\$MILLION)

TABLE 20.DATA CENTER COOLING MARKET REVENUE FOR MEDIA & ENTERTAINMENT, BY REGION, 2019–2027(\$MILLION)

TABLE 21.DATA CENTER COOLING MARKET REVENUE FOR RETAIL , BY REGION, 2019–2027(\$MILLION)

TABLE 22.DATA CENTER COOLING MARKET REVENUE FOR GOVERNMENT & DEFENCE, BY REGION, 2019–2027(\$MILLION)

TABLE 23.DATA CENTER COOLING MARKET REVENUE FOR HEALTHCARE, BY REGION, 2019–2027(\$MILLION)

TABLE 24.DATA CENTER COOLING MARKET REVENUE FOR ENERGY, BY REGION, 2019–2027(\$MILLION)

TABLE 25.DATA CENTER COOLING MARKET REVENUE FOR OTHERS, BY REGION, 2019–2027(\$MILLION)

TABLE 26.DATA CENTER COOLING MARKET REVENUE, BY REGION, 2019–2027(\$MILLION)

TABLE 27.NORTH AMERICA DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 28.NORTH AMERICA DATA CENTER COOLING SOLUTIONS MARKET, BY TYPE OF COOLING, 2019–2027(\$MILLION)

TABLE 29.NORTH AMERICA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 30.NORTH AMERICA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 31.NORTH AMERICA DATA CENTER COOLING MARKET, BY COUNTRY, 2019–2027(\$MILLION)

TABLE 32.U.S. DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 33.U.S. DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 34.U.S. DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 35.U.S. DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 36.CANADA DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 37.CANADA DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 38.CANADA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 39.CANADA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 40.EUROPE DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 41.EUROPE DATA CENTER COOLING SOLUTIONS MARKET, BY TYPE OF COOLING, 2019–2027(\$MILLION)

TABLE 42.EUROPE DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 43.EUROPE DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 44.EUROPE DATA CENTER COOLING MARKET, BY COUNTRY, 2019–2027(\$MILLION)

TABLE 45.UK DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 46.UK DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 47.UK DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 48.UK DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 49.GERMANY DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 50.GERMANY DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 51.GERMANY DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 52.GERMANY DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 53.FRANCE DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 54.FRANCE DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 55.FRANCE DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 56.FRANCE DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 57.RUSSIA DATA CENTER COOLING MARKET, BY COMPONENT,

2019–2027(\$MILLION)

TABLE 58.RUSSIA DATA CENTER COOLING MARKET, BY TYPE OF COOLING ,
2019–2027(\$MILLION)

TABLE 59.RUSSIA DATA CENTER COOLING MARKET, BY TYPE OF DATA
CENTER, 2019–2027(\$MILLION)

TABLE 60.RUSSIA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL,
2019–2027(\$MILLION)

TABLE 61.REST OF EUROPE DATA CENTER COOLING MARKET, BY
COMPONENT, 2019–2027(\$MILLION)

TABLE 62.REST OF EUROPE DATA CENTER COOLING MARKET, BY TYPE OF
COOLING , 2019–2027(\$MILLION)

TABLE 63.REST OF EUROPE DATA CENTER COOLING MARKET, BY TYPE OF
DATA CENTER, 2019–2027(\$MILLION)

TABLE 64.REST OF EUROPE DATA CENTER COOLING MARKET, BY INDUSTRY
VERTICAL, 2019–2027(\$MILLION)

TABLE 65.ASIA-PACIFIC DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 66.ASIA-PACIFIC DATA CENTER COOLING SOLUTIONS MARKET, BY TYPE
OF COOLING, 2019–2027(\$MILLION)

TABLE 67.ASIA-PACIFIC DATA CENTER COOLING MARKET, BY TYPE OF DATA
CENTER, 2019–2027(\$MILLION)

TABLE 68.ASIA-PACIFIC DATA CENTER COOLING MARKET, BY INDUSTRY
VERTICAL, 2019–2027(\$MILLION)

TABLE 69.ASIA-PACIFIC DATA CENTER COOLING MARKET, BY COUNTRY,
2019–2027(\$MILLION)

TABLE 70.CHINA DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 71.CHINA DATA CENTER COOLING MARKET, BY TYPE OF COOLING ,
2019–2027(\$MILLION)

TABLE 72.CHINA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER,
2019–2027(\$MILLION)

TABLE 73.CHINA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL,
2019–2027(\$MILLION)

TABLE 74.INDIA DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 75.INDIA DATA CENTER COOLING MARKET, BY TYPE OF COOLING ,
2019–2027(\$MILLION)

TABLE 76.INDIA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER,
2019–2027(\$MILLION)

TABLE 77.INDIA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL,
2019–2027(\$MILLION)

TABLE 78.JAPAN DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 79.JAPAN DATA CENTER COOLING MARKET, BY TYPE OF COOLING ,
2019–2027(\$MILLION)

TABLE 80.JAPAN DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER,
2019–2027(\$MILLION)

TABLE 81.JAPAN DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL,
2019–2027(\$MILLION)

TABLE 82.AUSTRALIA DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 83.AUSTRALIA DATA CENTER COOLING MARKET, BY TYPE OF COOLING ,
2019–2027(\$MILLION)

TABLE 84.AUSTRALIA DATA CENTER COOLING MARKET, BY TYPE OF DATA
CENTER, 2019–2027(\$MILLION)

TABLE 85.AUSTRALIA DATA CENTER COOLING MARKET, BY INDUSTRY
VERTICAL, 2019–2027(\$MILLION)

TABLE 86.REST OF ASIA-PACIFIC DATA CENTER COOLING MARKET, BY
COMPONENT, 2019–2027(\$MILLION)

TABLE 87.REST OF ASIA-PACIFIC DATA CENTER COOLING MARKET, BY TYPE
OF COOLING , 2019–2027(\$MILLION)

TABLE 88.REST OF ASIA-PACIFIC DATA CENTER COOLING MARKET, BY TYPE
OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 89.REST OF ASIA-PACIFIC DATA CENTER COOLING MARKET, BY
INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 90.LAMEA DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 91.LAMEA DATA CENTER COOLING SOLUTIONS MARKET, BY TYPE OF
COOLING, 2019–2027(\$MILLION)

TABLE 92.LAMEA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER,
2019–2027(\$MILLION)

TABLE 93.LAMEA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL,
2019–2027(\$MILLION)

TABLE 94.LAMEA DATA CENTER COOLING MARKET, BY COUNTRY,
2019–2027(\$MILLION)

TABLE 95.LATIN AMERICA DATA CENTER COOLING MARKET, BY COMPONENT,
2019–2027(\$MILLION)

TABLE 96.LATIN AMERICA DATA CENTER COOLING MARKET, BY TYPE OF

COOLING , 2019–2027(\$MILLION)

TABLE 97.LATIN AMERICA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 98.LATIN AMERICA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 99.MIDDLE EAST DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 100.MIDDLE EAST DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 101.MIDDLE EAST DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 102.MIDDLE EAST DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 103.AFRICA DATA CENTER COOLING MARKET, BY COMPONENT, 2019–2027(\$MILLION)

TABLE 104.AFRICA DATA CENTER COOLING MARKET, BY TYPE OF COOLING , 2019–2027(\$MILLION)

TABLE 105.AFRICA DATA CENTER COOLING MARKET, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

TABLE 106.AFRICA DATA CENTER COOLING MARKET, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

TABLE 107.PRODUCT DEVELOPMENT (2017-2020)

TABLE 108.PARTNERSHIP (2017-2020)

TABLE 109.PRODUCT LAUNCH (2017-2020)

TABLE 110.ACQUISITION (2017-2020)

TABLE 111.AGREEMENT (2017-2020)

TABLE 112.COLLABORATION (2017-2020)

TABLE 113.BUSINESS EXPANSION (2017-2020)

TABLE 114.PRODUCT EXPANSION (2017-2020)

TABLE 115.MERGER (2017-2020)

TABLE 116.AIREDALE INTERNATIONAL AIR CONDITIONING LTD.: KEY EXECUTIVES

TABLE 117.AIREDALE INTERNATIONAL AIR CONDITIONING LTD.: COMPANY SNAPSHOT

TABLE 118.MODINE MANUFACTURING: OPERATING SEGMENTS

TABLE 119.AIREDALE INTERNATIONAL AIR CONDITIONING LTD.: PRODUCT PORTFOLIO

TABLE 120.AIREDALE INTERNATIONAL AIR CONDITIONING LTD.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 121.ASETEK, INC.: KEY EXECUTIVES
TABLE 122.ASETEK, INC.: COMPANY SNAPSHOT
TABLE 123.ASETEK, INC.: OPERATING SEGMENTS
TABLE 124.ASETEK, INC.: PRODUCT PORTFOLIO
TABLE 125.ASETEK, INC.: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 126.AGC NETWORKS: KEY EXECUTIVES
TABLE 127.BLACK BOX CORPORATION: COMPANY SNAPSHOT
TABLE 128.ASETEK: OPERATING SEGMENTS
TABLE 129.BLACK BOX CORPORATION: PRODUCT PORTFOLIO
TABLE 130.BLACK BOX CORPORATION: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 131.FUJITSU: KEY EXECUTIVES
TABLE 132.FUJITSU : COMPANY SNAPSHOT
TABLE 133.FUJITSU: OPERATING SEGMENTS
TABLE 134.FUJITSU: PRODUCT PORTFOLIO
TABLE 135.KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 136.HITACHI, LTD: KEY EXECUTIVES
TABLE 137.HITACHI, LTD: COMPANY SNAPSHOT
TABLE 138.HITACHI, LTD.: OPERATING SEGMENTS
TABLE 139.HITACHI, LTD.: PRODUCT PORTFOLIO
TABLE 140.NORTEK AIR SOLUTIONS: KEY EXECUTIVES
TABLE 141.NORTEK AIR SOLUTIONS: COMPANY SNAPSHOT
TABLE 142.NORTEK AIR SOLUTIONS: PRODUCT PORTFOLIO
TABLE 143.NORTEK AIR SOLUTIONS: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 144.RITTAL GMBH & CO. KG.: KEY EXECUTIVES
TABLE 145.RITTAL GMBH & CO. KG.: COMPANY SNAPSHOT
TABLE 146.RITTAL GMBH & CO. KG: PRODUCT PORTFOLIO
TABLE 147.RITTAL GMBH & CO. KG: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 148.SCHNEIDER ELECTRIC:: KEY EXECUTIVES
TABLE 149.SCHNEIDER ELECTRIC:: COMPANY SNAPSHOT
TABLE 150.SCHNEIDER ELECTRIC: OPERATING SEGMENTS
TABLE 151.SCHNEIDER ELECTRIC: PRODUCT PORTFOLIO
TABLE 152.SCHNEIDER ELECTRIC: KEY STRATEGIC MOVES AND DEVELOPMENTS
TABLE 153.STULZ GMBH: KEY EXECUTIVES
TABLE 154.STULZ GMBH: COMPANY SNAPSHOT
TABLE 155.STULZ GMBH: PRODUCT PORTFOLIO

TABLE 156.STULZ GMBH: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 157.VERTIV GROUP CORP.: KEY EXECUTIVES

TABLE 159.VERTIV GROUP CORP: VIDEO ANALYTICS PRODUCT PORTFOLIO

TABLE 160.VERTIV GROUP CORP: KEY STRATEGIC MOVES AND
DEVELOPMENTS

List Of Figures

LIST OF FIGURES

FIGURE 01.DATA CENTER COOLING MARKET SEGMENTATION

FIGURE 02.DATA CENTER COOLING MARKET, 2019–2027

FIGURE 03.DATA CENTER COOLING MARKET, BY REGION, 2019–2027

FIGURE 04.DATA CENTER COOLING MARKET: KEY PLAYERS

FIGURE 05.TOP IMPACTING FACTORS

FIGURE 06.TOP INVESTMENT POCKETS

FIGURE 07.MODERATE-TO-HIGH BARGAINING POWER OF SUPPLIER

FIGURE 08.HIGH BARGAINING POWER OF BUYER

FIGURE 09.MODERATE THREAT OF SUBSTITUTES

FIGURE 10.MODERATE-TO-HIGH THREAT OF NEW ENTRANTS

FIGURE 11.MODERATE-TO-HIGH COMPETITIVE RIVALRY

FIGURE 12.DATA CENTER COOLING MARKET: KEY PLAYER POSITIONING, 2019

FIGURE 13.DRIVERS, RESTRAINTS, AND OPPORTUNITIES

FIGURE 14.DATA CENTER COOLING MARKET REVENUE, BY COMPONENT, 2019–2027(\$MILLION)

FIGURE 15.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR SOLUTIONS, BY COUNTRY, 2019 & 2027(%)

FIGURE 16.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR SERVICES, BY COUNTRY, 2019 & 2027(%)

FIGURE 17.DATA CENTER COOLING MARKET REVENUE, BY TYPE OF COOLING, 2019–2027(\$MILLION)

FIGURE 18.COMPARATIVE SHARE ANALYSIS OF ROOM-BASED COOLING MARKET, BY COUNTRY, 2019 & 2027(%)

FIGURE 19.COMPARATIVE SHARE ANALYSIS OF RACK-BASED COOLING MARKET, BY COUNTRY, 2019 & 2027(%)

FIGURE 20.COMPARATIVE SHARE ANALYSIS OF ROW-BASED COOLING MARKET, BY COUNTRY, 2019 & 2027(%)

FIGURE 21.DATA CENTER COOLING MARKET REVENUE, BY TYPE OF DATA CENTER, 2019–2027(\$MILLION)

FIGURE 22.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR ENTERPRISE DATA CENTER, BY COUNTRY, 2019 & 2027(%)

FIGURE 23.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET REVENUE FOR COLOCATION DATA CENTER, BY COUNTRY, 2019 & 2027(%)

FIGURE 24.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING

MARKET REVENUE FOR WHOLESALE DATA CENTER, BY COUNTRY, 2019 & 2027(%)

FIGURE 25.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET REVENUE FOR HYPERSCALE DATA CENTER, BY COUNTRY, 2019 & 2027(%)

FIGURE 26.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET REVENUE FOR OTHER DATA CENTER, BY COUNTRY, 2019 & 2027(%)

FIGURE 27.DATA CENTER COOLING MARKET REVENUE, BY INDUSTRY VERTICAL, 2019–2027(\$MILLION)

FIGURE 28.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR BFSI, BY COUNTRY, 2019 & 2027(%)

FIGURE 29.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR MANUFACTURING, BY COUNTRY, 2019 & 2027(%)

FIGURE 30.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR IT & TELECOM, BY COUNTRY, 2019 & 2027(%)

FIGURE 31.COMPARATIVE SHARE ANALYSIS OF DATA CENTER COOLING MARKET FOR MEDIA & ENTERTAINMENT, BY COUNTRY, 2019 & 2027(%)

FIGURE 32.COMPARATIVE SHARE ANALYSIS OF DATA CENT

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