

Data Center Cooling Market in Americas - Industry Outlook and Forecast 2018-2023

<https://marketpublishers.com/r/DB6AF928FF4EN.html>

Date: June 2018

Pages: 203

Price: US\$ 4,000.00 (Single User License)

ID: DB6AF928FF4EN

Abstracts

This market research report on the data center cooling market in Americas offers analysis on market size & forecast, market share, industry trends, growth drivers, and vendor analysis. The market study also includes insights on segmentation by cooling infrastructure (cooling system and other infrastructure), by cooling technique (air-based cooling and liquid-based cooling), by cooling systems (CRAC & CARH, chiller, cooling towers & dry coolers, and economizers & evaporative coolers), tier standards (tier 1 and tier 2, tier 3, and tier 4), and geography (North America and Latin America).

Data Center Cooling Market in Americas - Overview

The growing internet penetration and the rising development of data centers in the America region are driving the growth of the data center cooling market in Americas. The cooling systems available in the market are CRAC, CRAH, chiller units, cooling towers and dry coolers, economizers and evaporative coolers, and other cooling units. Some of the other infrastructure systems include pumps, piping, valves, fire suppression systems, sprinklers, leak detection systems, direct liquid cooling, and liquid immersion cooling. The proliferation telecommunication and cloud service providers and increasing construction activities by colocation providers are factors that will drive the demand in the data center cooling market in Americas. The US is the largest contributor to the data center market followed by Canada and Latin America.

The increasing focus on innovating product portfolio that helps reduce the cost of the systems, improve efficiency, and boost the sustainability of these systems will propel the growth of the data center cooling market in Americas. The rising adoption of CRAC and CRAH units in data center designs will create business opportunities for leading vendors in the market. The data center cooling market in Americas is projected to

generate revenues of around \$2.5 billion in 2023 and grow at a CAGR of more than 6% during the forecast period.

Data Center Cooling Market in Americas - Dynamics

The growing adoption of efficient and innovative technologies leading to the operation of the data center with PUE of less than 1.30 will revolutionize the data center market over the next few years. The adoption of direct liquid cooling and liquid immersion cooling technique will enable operators to achieve a PUE of less than 1.05, transforming the data center cooling market in Americas. Additionally, data center operators will be investing in evaporative or adiabatic coolers that enables them to operate the facility at a PUE of less than 1.2. The trend of adopting these innovative solutions by various enterprise operators and cloud hosting facilities is expected to continue during the forecast period.

Data Center Cooling Market in Americas Segmentation

This market research report includes a detailed segmentation of the market by cooling infrastructure, by cooling technique, by cooling systems, by tier standards, and by geography.

Data Center Cooling Market in Americas – By Cooling Infrastructure

Most of the US, Canada, Chile, and Colombia will be involved in adopting evaporative coolers to leverage benefits from free cooling

The cooling infrastructure segment in the data center cooling market in Americas is classified into the cooling system and other infrastructure. The cooling infrastructure occupied a larger share in the market generating revenues of more than \$1 billion in 2017 and is expected to grow at a CAGR more than 5% during the forecast period. The increasing adoption of computer room air conditioner (CRAC), computer room air handler (CRAH), chiller, cooling towers, dry coolers, economizers, evaporative coolers and others will propel the demand for cooling systems in the data center market in the Americas. The purchase of cooling systems with accessories and system level monitoring controls will have a positive impact on the growth of the market over the next few years.

Data Center Cooling Market in Americas – By Cooling Technique

Direct liquid cooling and immersion cooling to gain traction in the market during the forecast period

The data center cooling market in Americas by cooling technique is segmented into air-based cooling and liquid-based cooling. Air-based cooling is the fastest growing segment in the market growing at a CAGR of more than 8% and expected to generate revenues of over \$776 million during the forecast period. The growing popularity of free cooling systems over liquid-based cooling in the market will propel the growth of this market segment. The growing adoption of evaporative coolers that facilitate partial cooling with indoor CRAC units among data centers in few Latin American countries will help boost the demand for air-based cooling systems in data center cooling market in Americas.

Data Center Cooling Market in Americas – By Cooling Systems

CRAC and CRAH systems to occupy the largest market share in the data center cooling market in Americas

The cooling systems in the data center cooling market in Americas is categorized into CRAC & CARH, chiller, cooling towers & dry coolers, and economizers & evaporative coolers. CRAC & CARH occupied the largest market share and is projected to grow at CAGR of 5% during the forecast period. The increasing adoption of chilled water units will augment the growth of this market segment in the data center cooling market. Most of the data centers in the America use CRAC and CRAH units to supply cold air and exhaust hot air from the data hall. However, the inefficiency in supporting high-density environments of DX-based CRAC systems will reduce the demand for these systems in the data center market during the forecast period.

Data Center Cooling Market in Americas – By Tier Standards

The adoption of 2N redundant cooling system in Tier 3 data centers is expected to grow significantly during the forecast period

The tier standards segment in the data center cooling market in Americas is divided into tier 1 and tier 2, tier 3, and tier 4. Tier 3 dominated the market share generating revenues of close to \$926 million in 2017 and is expected to grow at a CAGR of more than 7% during the forecast period. Majority of the under-development data center projects in America are under the Tier 3 category. The growing adoption of 2N redundant power infrastructure and N+N in cooling infrastructure will attribute to the

growth of this market segment during the forecast period. The colocation providers are offering flexibility in offering additional redundancy depending on the requests by the consumers and end-users.

Data Center Cooling Market in Americas – By Geography

North America controls around 85% of investment in the data center market in Americas

The data center cooling market in America by geography is classified into North America and Latin America. North American data center cooling market generated revenues of more than \$1 billion in 2017 and is expected to grow at a CAGR of over 5% during the forecast period. The growing market for edge computing across major cities in the US and Canada is attributing to the growth of the market in the North American region. The increasing number of construction activities of both traditional brick and motor facility and modular data centers will create new opportunities for leading vendors in the data center cooling market in Americas. The increasing investment in Canadian data center facilities will transform the cooling systems market in the region during the forecast period.

KEY COUNTRIES PROFILED

The key countries profiled in the report are:

US

Canada

Brazil

Colombia

Chile

Key Vendor Analysis

The data center cooling market in Americas consists of both international and regional service providers. The prominent vendors in the market are introducing innovative products that are more than 90% efficiency for data center operations and reduce

cooling OPEX by up to 50% to sustain the competition in the market. The increasing demand for energy efficient cooling systems that reduces power consumption and carbon emissions will create new business opportunities for vendors in the market. The increasing constructions of large data centers in Latin American countries of Brazil, Chile, and Colombia will encourage players to strengthen their position in the region during the forecast period.

The major vendors in the global market are:

Airedale Air Conditioning

Rittal

Schneider Electric

STULZ

Trane (Ingersoll Rand)

Vertiv

Other prominent vendors include 3M, AIRSYS, Alfa Laval, Allied Control, Asetek, ClimateWorx International, Coolcentric (Wakefield-Vette), CoolIT Systems, Daikin Applied (Daikin Industries), Data Aire, Geist Global, Green Revolution Cooling, KyotoCooling, Motivair Corporation, Munters, Nlyte Software, Nortek Air Solutions, Nortek Humidity (Condair Group), Pentair (Schroff), Qcooling, and Vigilant.

Key market insights include

1. The analysis of the data center cooling market in America provides market size and growth rate for the forecast period 2018-2023.
2. It offers comprehensive insights on current industry trends, trend forecast, and growth drivers about the data center cooling market in America.
3. The report provides the latest analysis of market share, growth drivers, challenges, and investment opportunities.
4. It offers a complete overview of market segments and the regional outlook of data center cooling market in America.
5. The report offers a detailed overview of the vendor landscape, competitive analysis,

and key market strategies to gain competitive advantage.

REPORT SNAPSHOT

According to the latest industry analysis by Arizton, the global data center cooling market in America size is expected to reach over \$2.5 billion by 2023, growing at an impressive CAGR of more than 6% 2017–2023. The market research report provides in-depth market analysis and segmental analysis of the global data center cooling market in America by cooling infrastructure, cooling systems, cooling technique, tier standards, and geography.

Base Year: 2017

Forecast Year: 2018–2023

The study considers the present scenario of the global data center cooling market in Americas and its market dynamics for the period 2017–2023. The study covers a detailed overview of various market growth enablers, restraints, and trends. The study covers both the demand and supply sides of the market. The study also profiles and analyzes the leading five companies and eleven other prominent companies operating in the market.

Major Vendors in the Data Center Cooling Market in Americas

Airedale Air Conditioning

Overview

Product Offerings

Key News

Rittal

Schneider Electric

STULZ

Trane (Ingersoll Rand)

Vertiv

Prominent Players in the Data Center Cooling Market in Americas

3M

Product Offerings

AIRSYS

Alfa Laval

Allied Control

Asetek

ClimateWorx International

Coolcentric (Wakefield-Vette)

CoolIT Systems

Daikin Applied (Daikin Industries)

Data Aire

Geist Global

Green Revolution Cooling

KyotoCooling

Motivair Corporation

Munters

Nlyte Software

Nortek Air Solutions

Nortek Humidity (Condair Group)

Pentair (Schroff)

Qcooling

Vigilent

Market Segmentation by Cooling Infrastructure

Cooling Systems

Other Infrastructure

Market Segmentation by Cooling Technique

Air-based Cooling

Liquid-based Cooling

Market Segmentation by Cooling Systems

CRAC & CARH

Chiller

Cooling Towers & Dry Coolers

Economizers

Market Segmentation by Tier Standard

Tier 1 and Tier 2

Tier 3

Tier 4

Market Segmentation by Geography

North America

US

Canada

Latin America

Brazil

Colombia

Chile

Others

Contents

1 RESEARCH METHODOLOGY

2 RESEARCH OBJECTIVES

3 RESEARCH PROCESS

4 REPORT COVERAGE

4.1 Market Definition

4.2 Base Year

4.3 Scope of Study

4.3.1 Market Segmentation by Cooling Systems

4.3.2 Market Segmentation by Other Infrastructure

4.3.3 Market Segmentation by Cooling Technique

4.3.4 Market Segmentation by Geography

5 REPORT ASSUMPTIONS & CAVEATS

5.1.1 Inclusions

5.2 Currency Conversion rate

5.3 Market Derivation

6 MARKET AT A GLANCE

7 INTRODUCTION

7.1 Data Center Demand Overview

7.2 Rack Power Density

7.3 Data Center Standards Related to Cooling

8 MARKET DYNAMICS

8.1 Market Growth Enablers

8.1.1 Demand for Colocation, Cloud, and Managed Service Providers

8.1.2 Increased adoption of Energy-efficient Cooling Solutions

8.1.3 Increase in Construction of Modern Data Centers with Modular Infrastructure

8.1.4 Increased Demand for Data Center at the Edge

8.2 Market Growth Restraint

8.2.1 Growing Consolidation Initiatives

8.2.2 Growing Concerns Over Water Consumption by Data Centers

8.2.3 Increased Carbon Emission of Data Centers

8.3 Market Opportunities & Trends

8.3.1 Free Cooling in Data Centers

8.3.2 Increase in Adoption of Automation and Monitoring Solutions

8.3.3 Use of Direct Liquid Cooling and Liquid Immersion Cooling Techniques

9 DATA CENTER COOLING MARKET IN AMERICAS

9.1 Market Overview

9.2 Market Size & Forecast

10 PORTER'S FIVE FORCES ANALYSIS

10.1 Threat of New Entrants

10.2 Bargaining Power of Suppliers

10.3 Bargaining Power of Buyers

10.4 Threat of Substitutes

10.5 Competitive Rivalry

11 MARKET BY COOLING INFRASTRUCTURE

11.1 Cooling Systems

11.1.1 Market Size & Forecast

11.2 Other Infrastructure

11.2.1 Market Size & Forecast

12 MARKET BY COOLING TECHNIQUES

12.1 Air-based Cooling Techniques

12.1.1 Market Size & Forecast

12.2 Liquid-based Cooling Techniques

12.2.1 Market Size & Forecast

13 MARKET BY LIQUID COOLING TECHNIQUES

13.1 Water-based Cooling Techniques

- 13.1.1 Market Size & Forecast
- 13.2 Direct Liquid and Immersion Cooling Techniques
 - 13.2.1 Market Size & Forecast

14 MARKET BY COOLING SYSTEMS

- 14.1 CRAC and CRAH Units
 - 14.1.1 Market Overview
 - 14.1.2 Market Size & Forecast
- 14.2 Chiller Units
 - 14.2.1 Market Overview
 - 14.2.2 Market Size & Forecast
- 14.3 Cooling Tower and Dry Coolers
 - 14.3.1 Market Overview
 - 14.3.2 Market Size & Forecast
- 14.4 Economizers and Evaporative Coolers
 - 14.4.1 Market Overview
 - 14.4.2 Market Size & Forecast
- 14.5 Other Cooling Units
 - 14.5.1 Market Overview
 - 14.5.2 Market Size & Forecast

15 MARKET SEGMENTATION BY TIER STANDARDS

- 15.1 Tier 1 and Tier
 - 15.1.1 Market Size & Forecast
- 15.2 Tier
 - 15.2.1 Market Size & Forecast
- 15.3 Tier
 - 15.3.1 Market Size & Forecast

16 DATA CENTER COOLING MARKET IN NORTH AMERICA

- 16.1 Market Overview
- 16.2 Market Size & Forecast

17 US: DATA CENTER COOLING MARKET

- 17.1 Market Overview

17.2 Market Size & Forecast

17.3 Cooling Systems

17.3.1 Market Size & Forecast

17.4 Cooling Systems by Type

17.4.1 CRAC and CRAH Units: Market Size & Forecast

17.4.2 Chiller Units: Market Size & Forecast

17.4.3 Economizers and Evaporative Coolers: Market Size & Forecast

17.4.4 Cooling Tower and Dry Coolers: Market Size & Forecast

17.4.5 Other Cooling Units: Market Size & Forecast

17.5 Other Infrastructure

17.5.1 Market Size & Forecast

17.6 Market by Cooling Techniques

17.6.1 Air-based Cooling Techniques: Market Size & Forecast

17.6.2 Liquid-based Cooling Techniques: Market Size & Forecast

17.7 Market by Regions in US

17.7.1 South Eastern Region: Market Size & Forecast

17.7.2 South Western US: Market Size & Forecast

17.7.3 Mid-Western Region: Market Size & Forecast

17.7.4 Western US: Market Size & Forecast

17.7.5 North Eastern Region: Market Size & Forecast

18 CANADA: DATA CENTER COOLING MARKET

18.1 Market Overview

18.2 Market Size & Forecast

18.3 Cooling Systems

18.3.1 Market Size & Forecast

18.4 Cooling Systems by Types

18.4.1 CRAC and CRAH Units: Market Size & Forecast

18.4.2 Chiller Units: Market Size & Forecast

18.4.3 Cooling Tower and Dry Coolers: Market Size & Forecast

18.4.4 Economizers and Evaporative Coolers: Market Size & Forecast

18.4.5 Other Cooling Units: Market Size & Forecast

18.5 Other Infrastructure

18.5.1 Market Size & Forecast

18.6 Market by Cooling Techniques

18.6.1 Air-based Cooling Techniques: Market Size & Forecast

18.6.2 Liquid-based Cooling Techniques: Market Size & Forecast

19 LATIN AMERICA: DATA CENTER COOLING MARKET

19.1 Market Overview

19.2 Market Size & Forecast

20 BRAZIL: DATA CENTER COOLING MARKET

20.1 Market Overview

20.2 Market Size & Forecast

20.3 Cooling Systems

20.3.1 Market Size & Forecast

20.4 Cooling Systems by Type

20.4.1 CRAC and CRAH Units: Market Size & Forecast

20.4.2 Chiller Units: Market Size & Forecast

20.4.3 Cooling Tower and Dry Coolers: Market Size & Forecast

20.4.4 Economizers and Evaporative Coolers: Market Size & Forecast

20.4.5 Other Cooling Units: Market Size & Forecast

20.5 Other Infrastructure

20.5.1 Market Size & Forecast

20.6 Market by Cooling Techniques

20.6.1 Air-based Cooling Techniques: Market Size & Forecast

20.6.2 Liquid-based Cooling Technique: Market Size & Forecast

21 COLOMBIA: DATA CENTER MARKET

21.1 Market Overview

21.2 Market Size & Forecast

21.3 Cooling Systems

21.3.1 Market Size & Forecast

21.4 Cooling Systems by Type

21.4.1 CRAC and CRAH Units: Market Size & Forecast

21.4.2 Chiller Units: Market Size & Forecast

21.4.3 Cooling Towers and Dry Coolers: Market Size & Forecast

21.4.4 Economizers and Evaporative Coolers: Market Size & Forecast

21.4.5 Other Cooling Units: Market Size & Forecast

21.5 Other Infrastructure

21.5.1 Market Size & Forecast

21.6 Market by Cooling Technique

21.6.1 Air-based Cooling Techniques: Market Size & Forecast

21.6.2 Liquid-based Cooling Techniques: Market Size & Forecast

22 CHILE: DATA CENTER MARKET

22.1 Market Overview

22.2 Market Size & Forecast

22.3 Cooling Systems

22.3.1 Market Size & Forecast

22.4 Cooling Systems by Type

22.4.1 CRAC and CRAH Units: Market Size & Forecast

22.4.2 Chiller Units: Market Size & Forecast

22.4.3 Cooling Towers and Dry Coolers: Market Size & Forecast

22.4.4 Economizers and Evaporative Coolers: Market Size & Forecast

22.4.5 Other Cooling Units: Market Size & Forecast

22.5 Other Infrastructure

22.5.1 Market Size & Forecast

22.6 Market by Cooling Techniques

22.6.1 Air-based Cooling Techniques: Market Size & Forecast

22.6.2 Liquid-based Cooling Technique: Market Size & Forecast

23 REST OF LATIN AMERICA: DATA CENTER MARKET

23.1 Market Overview

23.2 Market Size & Forecast

23.3 Cooling Systems

23.3.1 Market Size & Forecast

23.4 Cooling Systems by Type

23.4.1 CRAC and CRAH Units: Market Size & Forecast

23.4.2 Chiller Units: Market Size & Forecast

23.4.3 Cooling Towers and Dry Coolers: Market Size & Forecast

23.4.4 Economizers and Evaporative Coolers: Market Size & Forecast

23.4.5 Other Cooling Units: Market Size & Forecast

23.5 Other Infrastructure

23.5.1 Market Size & Forecast

23.6 Market by Cooling Techniques

23.6.1 Air-based Cooling Techniques: Market Size & Forecast

23.6.2 Liquid-based Cooling Techniques: Market Size & Forecast

24 COMPETITIVE LANDSCAPE

25 KEY VENDORS

25.1 Airedale Air Conditioning

25.1.1 Product Offerings

25.2 Rittal

25.2.1 Product Offerings

25.3 Schneider Electric

25.3.1 Overview

25.3.2 Product Offerings

25.3.3 Key News

25.4 STULZ

25.4.1 Product Offerings

25.4.2 Key News

25.5 Trane (Ingersoll Rand)

25.5.1 Product Offerings

25.5.2 Key News

25.6 Vertiv

25.6.1 Overview

25.6.2 Product Offerings

25.6.3 Key News

26 OTHER PROMINENT VENDORS

26.1 3M

26.1.1 Product Offerings

26.2 AIRSYS

26.2.1 Product Offerings

26.3 Alfa Laval

26.3.1 Product Offerings

26.4 Allied Control

26.4.1 Product Offerings

26.5 Asetek

26.5.1 Product Offerings

26.6 ClimateWorx International

26.6.1 Product Offerings

26.7 Coolcentric (Wakefield-Vette)

26.7.1 Product Offerings

26.8 CoolIT Systems

- 26.8.1 Product Offerings
- 26.9 Daikin Applied (Daikin Industries)
 - 26.9.1 Product Offerings
- 26.10 Data Aire
 - 26.10.1 Product Offerings
- 26.11 Geist Global
 - 26.11.1 Product Offerings
- 26.12 Green Revolution Cooling
 - 26.12.1 Product Offerings
- 26.13 KyotoCooling
 - 26.13.1 Product Offerings
- 26.14 Motivair Corp.
 - 26.14.1 Product Offerings
- 26.15 Munters
 - 26.15.1 Product Offerings
- 26.16 Nlyte Software
 - 26.16.1 Product Offerings
- 26.17 Nortek Air Solutions
 - 26.17.1 Product Offerings
- 26.18 Nortek Humidity (Condair Group)
 - 26.18.1 Product Offerings
- 26.19 Pentair
 - 26.19.1 Product Offerings
- 26.2 QCooling
 - 26.20.1 Product Offerings
- 26.21 Vigilent
 - 26.21.1 Product Offerings

27 REPORT SUMMARY

- 27.1 Key Takeaways
- 27.2 Qualitative Summary of Data Center Cooling Market in AMericas
- 27.3 Quantitative Summary of Data Center Cooling Market in Americas

28 APPENDIX

- 28.1 List of Abbreviations

List Of Exhibits

LIST OF EXHIBITS

- Exhibit 1 Segmentation of Data Center Cooling Market in Americas
- Exhibit 2 Market Size Calculation Approach 2017
- Exhibit 3 Market Size Calculation 2017
- Exhibit 4 Internet Penetration in Americas (%)
- Exhibit 5 Rack Power Density in Data Center Market in Americas (2010–2023)
- Exhibit 6 Data Center Cooling Market in Americas 2017-2023 (\$ million)
- Exhibit 7 Five Forces Analysis 2017
- Exhibit 8 Data Center Cooling Market in Americas by Cooling Systems 2017–2023 (\$ million)
- Exhibit 9 Data Center Cooling Market in Americas by Other Infrastructure 2017–2023 (\$ million)
- Exhibit 10 Data Center Cooling Market in Americas by Air-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 11 Data Center Cooling Market in Americas by Liquid-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 12 Data Center Cooling Market in Americas by Water-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 13 Data Center Cooling Market in Americas by Direct Liquid and Immersion Cooling Techniques 2017–2023 (\$ million)
- Exhibit 14 Data Center Cooling Systems Market in Americas by CRAC and CRAH Units 2017–2023 (\$ million)
- Exhibit 15 Data Center Cooling Systems Market in Americas by Chiller Units 2017–2023 (\$ million)
- Exhibit 16 Data Center Cooling Systems Market in Americas by Cooling Towers and Dry Coolers 2017–2023 (\$ million)
- Exhibit 17 Data Center Cooling Systems Market in Americas by Economizers and Evaporative Coolers 2017–2023 (\$ million)
- Exhibit 18 Data Center Cooling Market in Americas by Other Cooling Units 2017–2023 (\$ million)
- Exhibit 19 Data Center Cooling Market in Americas by Cooling Systems 2017–2023 (% share)
- Exhibit 20 Data Center Tier Standards
- Exhibit 21 Data Center Cooling Market in Americas by Tier 1 and Tier 2 Facilities 2017–2023 (\$ million)
- Exhibit 22 Data Center Cooling Market in Americas by Tier 3 Facilities 2017–2023 (\$ million)

million)

Exhibit 23 Data Center Cooling Market in Americas by Tier 4 Facilities 2017–2023(\$ million)

Exhibit 24 Data Center Cooling Market in North America 2017–2023 (\$ million)

Exhibit 25 Data Center Cooling Market in US 2017-2023 (\$ million)

Exhibit 26 Market Segmentation of Data Center Market in US

Exhibit 27 Data Center Cooling Market in US by Cooling Systems 2017–2023 (\$ million)

Exhibit 28 Data Center Cooling Systems Market in US by CRAC and CRAH Unit 2017–2023 (\$ million)

Exhibit 29 Data Center Cooling Systems Market in US by Chiller Units 2017–2023 (\$ million)

Exhibit 30 Data Center Cooling Systems Market in US by Economizers and Evaporative Coolers 2017–2023 (\$ million)

Exhibit 31 Data Center Cooling Systems Market in US by Cooling Tower and Dry Coolers 2017–2023 (\$ million)

Exhibit 32 Data Center Cooling Systems Market in US by Other Cooling Units 2017–2023 (\$ million)

Exhibit 33 Data Center Cooling Market in US by Other Infrastructure 2017–2023 (\$ million)

Exhibit 34 Data Center Cooling Market in US by Air-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 35 Data Center Cooling Market in US by Liquid-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 36 Data Center Cooling Market in Canada 2017–2023 (\$ million)

Exhibit 37 Market Segmentation of Data Center Cooling Market in Canada

Exhibit 38 Data Center Cooling Market in Canada by Cooling Systems 2017–2023 (\$ million)

Exhibit 39 Data Center Cooling Market in Canada by CRAC and CRAH Units 2017–2023 (\$ million)

Exhibit 40 Data Center Cooling Market in Canada by Cooler Units 2017–2023 (\$ million)

Exhibit 41 Data Center Cooling Market in Canada by Cooling Tower and Dry Coolers 2017–2023 (\$ million)

Exhibit 42 Data Center Cooling Market in Canada by Economizers and Evaporative Coolers 2017–2023 (\$ million)

Exhibit 43 Data Center Market in Canada by Other Cooling Units 2017–2023 (\$ million)

Exhibit 44 Data Center Cooling Market in Canada by Other Infrastructure 2017–2023 (\$ million)

Exhibit 45 Data Center Cooling Market in Canada by Air-based Cooling Techniques 2017–2023 (\$ million)

- Exhibit 46 Data Center Market in Canada by Liquid-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 47 Data Center Cooling Market in Latin America 2017–2023 (\$ million)
- Exhibit 48 Data Center Cooling Market in Brazil 2017–2023 (\$ million)
- Exhibit 49 Market Segmentation of Data Center Cooling Market in Brazil
- Exhibit 50 Data Center Cooling Market in Brazil by Cooling Systems 2017–2023 (\$ million)
- Exhibit 51 Data Center Cooling Market in Brazil by CRAC and CRAH Units 2017–2023 (\$ million)
- Exhibit 52 Data Center Cooling Market in Brazil by Chiller Units 2017–2023 (\$ million)
- Exhibit 53 Data Center Cooling Market in Brazil by Cooling by Tower and Dry Coolers 2017–2023 (\$ million)
- Exhibit 54 Data Center Cooling Market in Brazil by Economizers and Evaporative Coolers 2017–2023 (\$ million)
- Exhibit 55 Data Center Market in Brazil by Other Cooling Units 2017–2023 (\$ million)
- Exhibit 56 Data Center Cooling Market in Brazil by Other Infrastructure 2017–2023 (\$ million)
- Exhibit 57 Data Center Cooling Market in Brazil by Air-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 58 Data Center Market in Brazil by Liquid-based Cooling Techniques 2017–2023 (\$ million)
- Exhibit 59 Data Center Cooling Market in Colombia 2017–2023 (\$ million)
- Exhibit 60 Market Segmentation of Data Center Cooling Market in Colombia
- Exhibit 61 Data Center Cooling Market in Colombia by Cooling Systems 2017–2023 (\$ million)
- Exhibit 62 Data Center Cooling Market in Colombia by CRAC and CRAH Units 2017–2023 (\$ million)
- Exhibit 63 Data Center Cooling Market in Colombia by Chiller Units 2017–2023 (\$ million)
- Exhibit 64 Data Center Cooling Market in Colombia by Cooling Towers and Dry Coolers 2017–2023 (\$ million)
- Exhibit 65 Data Center Cooling Market in Colombia by Economizers and Evaporative Cooling Units 2017–2023 (\$ million)
- Exhibit 66 Data Center Market in Colombia by Other Cooling Units 2017–2023 (\$ million)
- Exhibit 67 Data Center Cooling Market in Colombia by Other Infrastructure 2017–2023 (\$ million)
- Exhibit 68 Data Center Cooling Market in Colombia by Air-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 69 Data Center Market in Colombia by Liquid-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 70 Data Center Cooling Market in Chile 2017–2023 (\$ million)

Exhibit 71 Market Segmentation of Data Center Cooling Market in Chile

Exhibit 72 Data Center Cooling Market in Chile by Cooling Systems 2017–2023 (\$ million)

Exhibit 73 Data Center Cooling Market in Chile by CRAC and CRAH Units 2017–2023 (\$ million)

Exhibit 74 Data Center Cooling Market in Chile by Chiller Units 2017–2023 (\$ million)

Exhibit 75 Data Center Cooling Market in Chile by Cooling Towers and Dry Coolers 2017–2023 (\$ million)

Exhibit 76 Data Center Cooling Market in Chile by Economizers and Evaporative Cooling Units 2017–2023 (\$ million)

Exhibit 77 Data Center Market in Chile by Other Cooling Units 2017–2023 (\$ million)

Exhibit 78 Data Center Cooling Market in Chile by Other Infrastructure 2017–2023 (\$ million)

Exhibit 79 Data Center Cooling Market in Chile by Air-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 80 Data Center Market in Chile by Liquid-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 81 Data Center Cooling Market in Rest of Latin America 2017–2023 (\$ million)

Exhibit 82 Market Segmentation of Data Center Cooling Market in Rest of Latin American

Exhibit 83 Data Center Cooling Market in Rest of Latin America by Cooling Systems 2017–2023 (\$ million)

Exhibit 84 Data Center Cooling Market in Rest of Latin American by CRAC and CRAH Units 2017–2023 (\$ million)

Exhibit 85 Data Center Cooling Market in Rest of Latin America by Chiller Units 2017–2023 (\$ million)

Exhibit 86 Data Center Cooling Market in Rest of Latin America by Cooling Towers and Dry Coolers by 2017–2023 (\$ million)

Exhibit 87 Data Center Cooling Market in Rest of Latin America by Economizers and Evaporative Cooling Units 2017–2023 (\$ million)

Exhibit 88 Data Center Market in Rest of Latin America by Other Cooling Units 2017–2023 (\$ million)

Exhibit 89 Data Center Cooling Market in Rest of Latin America by Other Infrastructure 2017–2023 (\$ million)

Exhibit 90 Data Center Cooling Market in Rest of Latin America by Air-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 91 Data Center Market in Rest of Latin America by Liquid-based Cooling Techniques 2017–2023 (\$ million)

Exhibit 92 Schneider Electric: Segmental Revenue 2016 and Comparison with 2015 (\$ billion)

Exhibit 93 Vertiv: Business and Geographical Segmental Revenue Share 2016 (%)

List Of Tables

LIST OF TABLES

Table 1 Key Geographies Definition

Table 2 Key Caveats

Table 3 Currency Conversion 2013-2017

Table 4 Data Center Cooling Market in Americas by Cooling Infrastructure 2017–2023 (\$ million)

Table 5 Data Center Cooling Market in Americas by Cooling Techniques 2017–2023 (\$ million)

Table 6 Data Center Cooling Market in Americas by Liquid Cooling Techniques 2017–2023 (\$ million)

Table 7 Data Center Cooling Market in Americas by Cooling Systems 2017–2023 (\$ million)

Table 8 Data Center Cooling Market in Americas by Tier Standards 2017–2023 (\$ million)

Table 9 Data Center Cooling Market in North Americas by Countries 2017–2023 (\$ million)

Table 10 Data Center Cooling Market in US by Cooling Infrastructure 2017–2023 (\$ million)

Table 11 Data Center Cooling Market in US by Cooling Techniques 2017–2023 (\$ million)

Table 12 Data Center Market in US by Inner Region 2017–2023 (\$ million)

Table 13 Data Center Cooling Market in Canada by Cooling Infrastructure 2017–2023 (\$ million)

Table 14 Data Center Cooling Market in Canada by Cooling Techniques 2017–2023 (\$ million)

Table 15 Data Center Cooling Market in Brazil by Cooling Infrastructure 2017–2023 (\$ million)

Table 16 Data Center Cooling Market in Brazil by Cooling Techniques 2017–2023 (\$ million)

Table 17 Data Center Cooling Market in Colombia by Cooling Infrastructure 2017–2023 (\$ million)

Table 18 Data Center Cooling Market in Colombia by Cooling Techniques 2017–2023 (\$ million)

Table 19 Data Center Cooling Market in Chile by Cooling Infrastructure 2017–2023 (\$ million)

Table 20 Data Center Cooling Market in Chile by Cooling Techniques 2017–2023 (\$ million)

million)

Table 21 Data Center Cooling Market in Rest of Latin America by Cooling Infrastructure 2017–2023 (\$ million)

Table 22 Data Center Cooling Market in Rest of Latin America by Cooling Techniques 2017–2023 (\$ million)

Table 23 Cooling Infrastructure Offerings by 3M

Table 24 Cooling Infrastructure Offerings by AIRSYS

Table 25 Cooling Infrastructure Offerings by Alfa Laval

Table 26 Cooling Infrastructure Offerings by Allied Control

Table 27 Cooling Infrastructure Offerings by Asetek

Table 28 Cooling Infrastructure Offerings by ClimateWorx

Table 29 Cooling Infrastructure Offerings by Coolcentric

Table 30 Cooling Infrastructure Offerings by CoolIT Systems

Table 31 Cooling Infrastructure Offerings by Daikin Applied

Table 32 Cooling Infrastructure Offerings by Data Aire

Table 33 Cooling Infrastructure Offering by Geist Global

Table 34 Cooling Infrastructure Offerings by Green Revolution Cooling

Table 35 Cooling Infrastructure Offerings by Koyoto Cooling

Table 36 Cooling Infrastructure Offerings by Motivair Corp.

Table 37 Cooling Infrastructure Offerings by Munters

Table 38 Cooling DCIM Software Offerings by Nylte Software

Table 39 Cooling Infrastructure Offering by Nortek Air Solutions

Table 40 Cooling Infrastructure Offerings by Nortek Humidity (Condair Group)

Table 41 Cooling Infrastructure Offering by Pentair

Table 42 Cooling Infrastructure Offerings by QCooling

Table 43 Cooling DCIM Software Offerings by Vigilent

Table 44 Qualitative Summary of Data Center Cooling Market in Americas

Table 45 Quantitative Summary of Data Center Cooling Market in Americas by Cooling Infrastructure 2017–2023 (\$ million)

Table 46 Quantitative Summary of Data Center Cooling Market in Americas by Cooling Systems 2017–2023 (\$ million)

Table 47 Quantitative Summary of Data Center Cooling Market in Americas by Cooling Techniques 2017–2023 (\$ million)

Table 48 Quantitative Summary of Data Center Cooling Market in Americas by Liquid-Cooling Techniques 2017–2023 (\$ million)

Table 49 Quantitative Summary of Data Center Cooling Market in Americas by Tier Standards 2017–2023 (\$ million)

Table 50 Quantitative Summary of Data Center Cooling Market in Americas by Regions 2017–2023 (\$ million)

Table 51 Quantitative Summary of Data Center Cooling Infrastructure Market in Americas by Countries 2017–2023 (\$ million)

Table 52 Quantitative Summary of Data Center Cooling Systems Market in Americas by Countries 2017–2023 (\$ million)

Table 53 Quantitative Summary of Data Center Cooling Market in America by Other Infrastructure & Countries 2017–2023 (\$ million)

Table 54 Quantitative Summary of Data Center Cooling Market in North America by Cooling Systems 2017–2023 (\$ million)

Table 55 Quantitative Summary of Data Center Cooling Market in North America by Cooling Techniques 2017-2023 (\$ million)

Table 56 Quantitative Summary of Data Center Cooling Market in Latin America by Cooling Systems 2017–2023 (\$ million)

Table 57 Quantitative Summary of Data Center Cooling Market in North America by Cooling Techniques 2017–2023 (\$ million)

Table 58 Quantitative Summary of Data Center Cooling Market in US by Cooling Systems 2017–2023 (\$ million)

Table 59 Quantitative Summary of Data Center Cooling Market in US by Cooling Techniques 2017–2023 (\$ million)

Table 60 Quantitative Summary of Data Center Cooling Market in Canada by Cooling Systems 2017–2023 (\$ million)

Table 61 Quantitative Summary of Data Center Cooling Market in Canada by Cooling Techniques 2017–2023 (\$ million)

Table 62 Quantitative Summary of Data Center Cooling Market in Brazil by Cooling Systems 2017–2023 (\$ million)

Table 63 Quantitative Summary of Data Center Cooling Market in Brazil by Cooling Techniques 2017–2023 (\$ million)

Table 64 Quantitative Summary of Data Center Cooling Market in Colombia by Cooling Systems 2017–2023 (\$ million)

Table 65 Quantitative Summary of Data Center Cooling Market in Colombia by Cooling Techniques 2017–2023 (\$ million)

Table 66 Quantitative Summary of Data Center Cooling Market in Chile by Cooling Systems 2017–2023 (\$ million)

Table 67 Quantitative Summary of Data Center Cooling Market in Chile by Cooling Techniques 2017–2023 (\$ million)

Table 68 Quantitative Summary of Data Center Cooling Market in Rest of Latin America by Cooling Systems 2017–2023 (\$ million)

Table 69 Quantitative Summary of Data Center Cooling Market in Rest of Latin America by Cooling Techniques 2017–2023 (\$ million)

I would like to order

Product name: Data Center Cooling Market in Americas - Industry Outlook and Forecast 2018-2023

Product link: <https://marketpublishers.com/r/DB6AF928FF4EN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/DB6AF928FF4EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970