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Global CDU Liquid Cooling Pumps for Data Centers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global CDU Liquid Cooling Pumps for Data Centers market size was valued at US$ 278 million in 2025 and is forecast to a readjusted size of US$ 558 million by 2032 with a CAGR of 10.7% during review period.

A CDU liquid cooling pump for data center is a core component within a Coolant Distribution Unit (CDU), responsible for circulating coolant throughout a closed-loop liquid cooling system. It drives coolant through cold plates attached to high-density components such as CPUs and GPUs, absorbs heat, and returns it to the CDU, where the heat is transferred to the facility?s primary cooling loop via a heat exchanger. The pump?s performance directly impacts flow stability, pressure control, and overall thermal efficiency, making it a critical element in high-performance liquid-cooled data centers. In 2025, global sales of CDU liquid cooling pumps for data centers are projected to reach 150,000 units, with an average unit price of approximately $1,800; industry gross margins typically range between 25% and 40%. The industry chain for liquid-cooled pumps within Data Center Cooling Distribution Units (CDUs) can be broadly categorized into three tiers: upstream core components, midstream equipment manufacturing and system integration, and downstream applications. The upstream tier primarily comprises suppliers of critical components?such as motors (specifically brushless DC motors), pump body materials (stainless steel, engineering plastics), sealing elements (fluororubber, ceramic bearings), and controllers and sensors (for pressure, flow, and temperature)?the quality of which directly determines a product's reliability and service life. The midstream tier consists of liquid-cooled pump manufacturers and CDU system integrators; these enterprises not only supply standard pump products but also undertake system-matching design (covering flow rate, head

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pressure, and redundancy) and integrate these components with heat exchangers, piping networks, and control systems. A number of manufacturers have already successfully implemented integrated solutions encompassing the 'CDU + Pump + Control' triad. The downstream tier is predominantly driven by high-heat-density environments?most notably data centers operated by data center operators?while also extending into adjacent sectors such as industrial cooling and medical equipment. As liquid cooling transitions from a 'supplementary solution' to a 'mainstream solution,' the industry chain is undergoing an upgrade toward greater reliability, modularity, and intelligence, thereby driving the supply chain to concentrate its capabilities on high-end manufacturing and comprehensive system integration.

This report is a detailed and comprehensive analysis for global CDU Liquid Cooling Pumps for Data Centers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global CDU Liquid Cooling Pumps for Data Centers market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global CDU Liquid Cooling Pumps for Data Centers market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global CDU Liquid Cooling Pumps for Data Centers market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global CDU Liquid Cooling Pumps for Data Centers market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

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To assess the growth potential for CDU Liquid Cooling Pumps for Data Centers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global CDU Liquid Cooling Pumps for Data Centers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Grundfos (DNK), Wilo (DEU), Xylem Inc. (USA), Flowserve (USA), Sulzer (CHE), Ebara Corporation (JPN), ITT Inc.(USA), Danfoss (DNK), KNF Group (DEU), Tuthill Corporation (USA), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

CDU Liquid Cooling Pumps for Data Centers market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-stage Pump

Multi-stage Pump

Market segment by Drive Type

BLDC pump

AC pump

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Market segment by Application

Hyperscale

Large

Small/Medium

Major players covered

Grundfos (DNK)

Wilo (DEU)

Xylem Inc. (USA)

Flowserve (USA)

Sulzer (CHE)

Ebara Corporation (JPN)

ITT Inc.(USA)

Danfoss (DNK)

KNF Group (DEU)

Tuthill Corporation (USA)

Micropump (USA)

Iwaki Co., Ltd. (JPN)

Johnson Electric (HKG)

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Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CDU Liquid Cooling Pumps for Data Centers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CDU Liquid Cooling Pumps for Data Centers, with price, sales quantity, revenue, and global market share of CDU Liquid Cooling Pumps for Data Centers from 2021 to 2026.

Chapter 3, the CDU Liquid Cooling Pumps for Data Centers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CDU Liquid Cooling Pumps for Data Centers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and CDU Liquid Cooling Pumps for Data Centers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CDU Liquid Cooling Pumps for Data Centers.

Chapter 14 and 15, to describe CDU Liquid Cooling Pumps for Data Centers sales channel, distributors, customers, research findings and conclusion.

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