

# Global Water-Cooled Open Chiller Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Water-Cooled Open Chiller market size was valued at US\$ 867 million in 2024 and is forecast to a readjusted size of USD 1041 million by 2031 with a CAGR of 2.6% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A water-cooled open chiller is a refrigeration device that uses water as a cooling medium. Its core feature is the open circulation system design. This type of chiller is usually composed of core components such as a compressor, evaporator, condenser, and expansion valve, but the water system of the evaporator and condenser is not completely closed, and water circulation is required through auxiliary equipment such as an external water tank and a water pump. Its working principle is that the refrigerant absorbs heat from the water in the evaporator, and then releases the heat to the external cooling water (such as cooling tower circulating water) in the condenser after being pressurized by the compressor, thereby achieving continuous cooling. Compared with a closed system, an open chiller has a simpler structure, low initial investment, and convenient maintenance, but its energy efficiency is relatively low and it relies on external water quality management. Its advantage is that it can flexibly adapt to complex working conditions, but affected by environmental protection and energy efficiency policies, some markets are gradually being replaced by high-efficiency closed or variable frequency models.

This report is a detailed and comprehensive analysis for global Water-Cooled Open

Chiller 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 Water-Cooled Open Chiller market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Water-Cooled Open Chiller market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Water-Cooled Open Chiller market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Water-Cooled Open Chiller market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Water-Cooled Open Chiller
- 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 Water-Cooled Open Chiller 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 Johnson Controls, Mitsubshi, Daikin, Trane, Parker Hannifin, Dunham Bush, Dimplex Thermal Solutions, Orion Machinery, Dongyuejin Refrigeration Machine, Jiuzhou Tongcheng Technology, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Water-Cooled Open Chiller market is split by Type and by Application. For the period 2020-2031, 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

Vortex Chiller

Screw Chiller

Piston Chiller

### Market segment by Application

Chemicals

Pharmaceuticals

Food

Others

### Major players covered

Johnson Controls

Mitsubishi

Daikin

Trane

Parker Hannifin

Dunham Bush

Dimplex Thermal Solutions

Orion Machinery

Dongyuejin Refrigeration Machine

Jiuzhou Tongcheng Technology

Jinbaoyuan Refrigeration Equipment

Toyocool Refrigeration Equipment

Shenchuangyi Refrigeration Equipment

Keernai Technology

Da Teng Refrigeration Equipment

Tengfei Refrigeration Machinery

Haoyi Refrigeration

GAMACE Refrigeration Equipment

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 Water-Cooled Open Chiller product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Water-Cooled Open Chiller, with price, sales quantity, revenue, and global market share of Water-Cooled Open Chiller from 2020 to 2025.

Chapter 3, the Water-Cooled Open Chiller competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Water-Cooled Open Chiller breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Water-Cooled Open Chiller market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Water-Cooled Open Chiller.

Chapter 14 and 15, to describe Water-Cooled Open Chiller sales channel, distributors, customers, research findings and conclusion.

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