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Global Ultra-low Temperature Air Source Chillers 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 Ultra-low Temperature Air Source Chillers market size was valued at US$ 698 million in 2024 and is forecast to a readjusted size of USD 922 million by 2031 with a CAGR of 4.1% 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.

Ultra-low temperature air source chillers are highly efficient refrigeration equipment designed for cold climates. They can operate stably at extremely low ambient temperatures (as low as -30°C or even lower) and provide a stable supply of chilled water. This type of chiller is widely used in industrial process cooling, data center cooling, and large commercial building air conditioning systems that require year-round refrigeration. They can operate efficiently over a wide range of ambient temperatures, ensuring stable cooling in different seasons. The use of advanced compressor technology and efficient heat exchanger design improves energy efficiency and reduces operating costs.

This report is a detailed and comprehensive analysis for global Ultra-low Temperature Air Source Chillers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Outlet Temperature 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

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market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Ultra-low Temperature Air Source Chillers market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

Global Ultra-low Temperature Air Source Chillers market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

Global Ultra-low Temperature Air Source Chillers market size and forecasts, by Outlet Temperature and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2020-2031

Global Ultra-low Temperature Air Source Chillers market shares of main players, shipments in revenue ($ Million), sales quantity (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 Ultra-low Temperature Air Source Chillers
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 Ultra-low Temperature Air Source Chillers 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, EUROKLIMAT, FEDDERS, Midea, Haier, Carrier, Guangzhou H.Stars Refrigerating Equipment, Nanjing Tica Climate Solutions, Shandong Volks Air Conditioning, Qingdao Dingxin Kejia, etc.

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

Market Segmentation

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Ultra-low Temperature Air Source Chillers market is split by Outlet Temperature and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Outlet Temperature, 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 Outlet Temperature

-15?~-5?

-15?~-25?

Below -25?

Market segment by Application

Commercial

Residential

Industrial

Major players covered

Johnson Controls

EUROKLIMAT

FEDDERS

Midea

Haier

Carrier

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Guangzhou H.Stars Refrigerating Equipment

Nanjing Tica Climate Solutions

Shandong Volks Air Conditioning

Qingdao Dingxin Kejia

Guangdong SIRAC

Dezhou Xinjia Air Conditioning Equipment

Shandong AirPower

Shandong ZKNKT

Beijing Xinluyu Energy

Shandong Qihao New Energy Technology

Beijing Lanhai Shenjun Technology

Hebei Zhongyu Intelligent Environmental Protection

Jiangsu Aosikang New Energy

Power World Machinery Equipment

Dongguan Oubite New Energy

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)

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

Chapter 1, to describe Ultra-low Temperature Air Source Chillers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ultra-low Temperature Air Source Chillers, with price, sales quantity, revenue, and global market share of Ultra-low Temperature Air Source Chillers from 2020 to 2025.

Chapter 3, the Ultra-low Temperature Air Source Chillers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ultra-low Temperature Air Source Chillers 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 Outlet Temperature and by Application, with sales market share and growth rate by Outlet Temperature, 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 Ultra-low Temperature Air Source Chillers market forecast, by regions, by Outlet Temperature, 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 Ultra-low Temperature Air Source Chillers.

Chapter 14 and 15, to describe Ultra-low Temperature Air Source Chillers sales channel, distributors, customers, research findings and conclusion.

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