

# Global Automotive Chiller Market Growth 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global Automotive Chiller market size was valued at US\$ 478.5 million in 2023. With growing demand in downstream market, the Automotive Chiller is forecast to a readjusted size of US\$ 2608.9 million by 2030 with a CAGR of 27.4% during review period.

The research report highlights the growth potential of the global Automotive Chiller market. Automotive Chiller are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Chiller. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Chiller market.

The chiller is a key component of the battery thermal management of pure electric or hybrid vehicles. Its function is to introduce the refrigerant in the air conditioning system, evaporate after the expansion valve throttles, and absorb the heat of the coolant in the battery cooling circuit. During this process, the refrigerant passes through the heat exchange takes away the heat of the coolant and plays a role in cooling the battery. Its structure generally consists of a heat exchanger body, an external evaporator, two coolant inlet and outlet pipes (one in and one out), and two refrigerant pipes (one in and one out).

Global key players of automotive chiller include MAHLE GmbH, Modine Manufacturing, Sanhua Automotive, Yinlun Co, Estra Automotive, etc. The top three players hold a share over 70%. Asia-Pacific is the largest market, has a share about 60%, followed by , Europe and North America, with share 27% and 9%, separately. China is the largest

producer, has a share about 56%, followed by Europe, with share 26%.

#### Key Features:

The report on Automotive Chiller market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Automotive Chiller market. It may include historical data, market segmentation by Type (e.g., Air-Cooled Chiller, Liquid-Cooled Chiller), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Automotive Chiller market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Automotive Chiller market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Automotive Chiller industry. This include advancements in Automotive Chiller technology, Automotive Chiller new entrants, Automotive Chiller new investment, and other innovations that are shaping the future of Automotive Chiller.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Automotive Chiller market. It includes factors influencing customer ' purchasing decisions, preferences for Automotive Chiller product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Automotive Chiller market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Chiller market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Automotive Chiller market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Chiller industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Chiller market.

**Market Segmentation:**

Automotive Chiller market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

**Segmentation by type**

Air-Cooled Chiller

Liquid-Cooled Chiller

**Segmentation by application**

HEV

BEV

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Valeo

MAHLE GmbH

Zhejiang Sanhua Intelligent Controls

Yinlun Co

Modine Manufacturing

Estra Automotive

Hasco Group

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Chiller market?

What factors are driving Automotive Chiller market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Chiller market opportunities vary by end market size?

How does Automotive Chiller break out type, application?

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