

# **Automotive Climate Control Market Report by Technology (Automatic, Manual), Component (Condenser, Compressor, Relays and Control Valves, Evaporators and Thermostats, Drier/Receiver, and Others), Vehicle Type (Passenger Cars, Light Commercial Vehicle (LCV), Heavy Commercial Vehicle (HCV)), Distribution Channel (OEMs, Aftermarket), and Region 2024-2032**

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## **Abstracts**

The global automotive climate control market size reached US\$ 10.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 17.3 Billion by 2032, exhibiting a growth rate (CAGR) of 5.3% during 2024-2032.

Automotive climate control refers to an integrated heating, ventilation and air conditioning (HVAC) system used for maintaining the internal temperature of an automobile. The system consists of an evaporator for boiling the refrigerant and absorbing the heat, a compressor circulating the refrigerant and compressing the vapors, and a condenser to reduce the temperature of the ambient air and liquefy the refrigerant. It can be operated automatically or manually to maintain a comfortable temperature inside the cabin and deliver thermal comfort through adequate ventilation and provide maximum comfort to the passengers. As a result, the climate control system is extensively used in passenger cars and light-, medium- and heavy commercial vehicles.

Significant growth in the automotive industry across the globe represents one of the key factors creating a positive outlook for the market. Furthermore, the rising demand for

luxury vehicles has enhanced the requirement for efficient automotive climate control systems. However, manual climate control systems are installed in medium- and low-budget vehicles and are used through physical dials and knobs. In line with this, hybrid and electric vehicle (H/EV) manufacturers are using these systems with environment-friendly refrigerants to minimize the carbon emission levels. Additionally, various technological advancements, such as the integration of innovative automobile sensors, are acting as other growth-inducing factors. These sensors can automatically detect and modify the cabin temperature, defrost windows, demystify windshields and dehumidify air according to the outside temperature and humidity levels. Other factors, including rising expenditure capacities of individuals, along with extensive research and development (R&D) activities to create energy-efficient systems, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive climate control market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technology, component, vehicle type, and distribution channel.

#### Breakup by Technology:

Automatic

Manual

#### Breakup by Component:

Condenser

Compressor

Relays and Control Valves

Evaporators and Thermostats

Drier/Receiver

Others

#### Breakup by Vehicle Type:

Passenger Cars

Light Commercial Vehicle (LCV)

Heavy Commercial Vehicle (HCV)

#### Breakup by Distribution Channel:

OEMs

Aftermarket

#### Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

### Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Air International Thermal Systems, Calsonic Kansei Corporation, Denso Corporation, Eberspacher Group, Hanon Systems, Japanese Climate Systems Corporation, Keihin Corporation, Mahle GmbH, Sanden Holdings Corporation, Subros Limited and Valeo SA Ltd.

## Key Questions Answered in This Report:

How has the global automotive climate control market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global automotive climate control market?

What are the key regional markets?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the component?

What is the breakup of the market based on the vehicle type?

What is the breakup of the market based on the distribution channel?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive climate control market and who are the key players?

What is the degree of competition in the industry?

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