

# Automotive HVAC System Market : Growth Opportunities, Recent Trends, Industry Analysis, and Forecast (2020–2027)

PORTLAND, OREGAON, UNITED STATES, April 15, 2024 /EINPresswire.com/ -- Allied Market Research (AMR) released a recent report on the "[Automotive HVAC System Market](#)". The report analysis reveals that the global automotive HVAC system market is anticipated to achieve a revenue of \$68.18 billion by 2027, having generated a revenue of \$43.37 billion in 2019, with a notable CAGR of 5.8% over the projected timeframe. This research report offers a detailed examination of successful industrial strategies that the industry adopted for the forecast period (2020-2027). It includes qualitative and quantitative analysis of recent technological trends, market size and share analysis, segmental and regional analysis, key investment pockets, and the competitive landscape of the global automotive HVAC system market.



Automotive HVAC System Size

Moreover, this research report focuses on the key factors impacting the growth of the global automotive HVAC system market, along with constraints and future growth opportunities that promote market growth during the forecast period. Furthermore, the report provides an up-to-date analysis of company profiles and business growth strategies formulated by top market players to maintain their dominance in the global sector. Therefore, this research report is a useful resource for vendors, shareholders, new entrants, and businesses in making informed strategic decisions and achieving their business goals.

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An automotive HVAC system is used in a vehicle to regulate its interior temperature. It consists of three primary components: heating, cooling, and air conditioning (AC). These components act

together to regulate the temperature, control moisture, and remove excessive humidity. Consumers want more automation and eco-friendly coolants in automotive HVAC systems.

The key components include a compressor, a condenser, an evaporator, and various valves and regulators. The compressor plays a vital role because it functions as the center of the refrigerant gas system. The condenser is at the front of the vehicle and is responsible for releasing heat. The evaporator absorbs heat from inside the vehicle, cools it, and reduces humidity. Major automotive brands, such as Mercedes, BMW, and Audi, focus on making HVAC systems that are user-friendly and personalized for consumers.

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The research report delves into the primary drivers influencing the growth of the global [automotive HVAC system market size](#). Factors such as the increasing popularity of automatic climate control features and thermal systems in vehicles, the surge in safety and enhanced comfort due to the integration of HVAC (Heating, Ventilation, and Air Conditioning) systems, and the rise in vehicle production boost the growth of the global automotive HVAC system market. However, the high maintenance cost of vehicles restrains market growth to some extent. Nevertheless, the adoption of eco-friendly refrigerants, the production of affordable HVAC systems, and emerging technologies offer profitable growth opportunities in the future.

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Manual  
Automatic

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Electric Vehicle  
Commercial Vehicle  
Passenger Car

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<https://www.alliedmarketresearch.com/automotive-HVAC-market/purchase-options>

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Compressor  
Receiver-drier  
Condenser  
Evaporator

Expansion Valve  
Others

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North America  
Europe  
Asia Pacific  
Latin America  
Middle East & Africa

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The rise of electric vehicles and the development of autonomous mobility have led to the emergence of touchscreen HVAC controls as the second most important part of vehicle HVAC systems. The Human Machine Interface (HMI) sector is forecasted to account for a considerable 16% share of HVAC systems in passenger vehicles, as touchscreen technology replaces traditional knobs and dials.

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In 2019, the United States was one of the leaders in the adoption of multi-zone climate control with a penetration rate exceeding 60%. Most of this market share is held by [dual-zone climate control systems](#), accounting for about 90%. Europe followed closely behind with a penetration rate of 50%.

The leading luxury car manufacturers BMW and Mercedes were at the forefront among original equipment manufacturers (OEMs) and showed an impressive adoption rate of around 85-90% for multi-zone climate control systems. In addition, tri- and four-zone climate control systems remained exclusive to the premium segment and were mainly included in the top 10 luxury vehicles sold in both the USA and Europe.

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Denso Corporation  
Johnson Electric Holdings Limited  
Keihin Corporation  
Mahle GmbH  
Air International Thermal Systems

Sensata Technologies Inc.  
Calsonic Kansei Corporation  
Hanon Systems  
Sanden Holdings Corporation  
Valeo Service

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