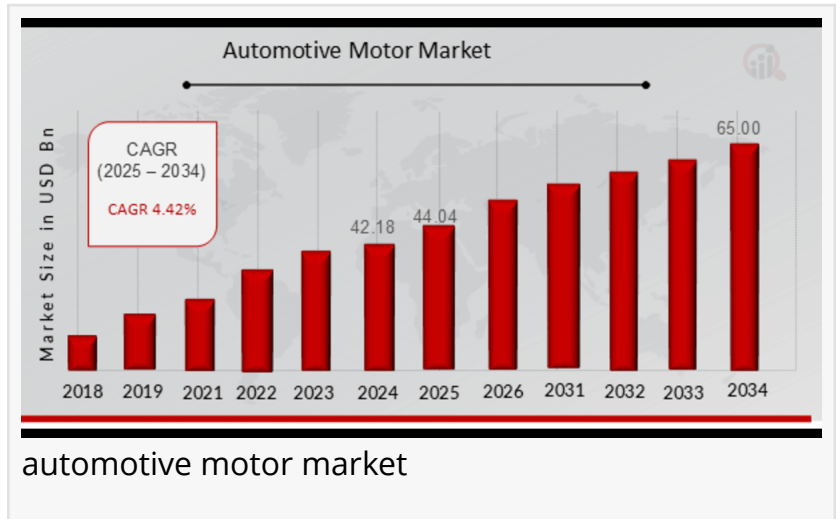


Automotive Motor Market Forecasting 4.42% CAGR Growth from USD 44.04 Billion in 2025 to USD 65.00 Billion by 2034

The Automotive Motor Market is growing due to demand for electric vehicles and advanced automotive technologies.

NEW YORK, NY, UNITED STATES, January 29, 2025 /EINPresswire.com/ -- According to a comprehensive research report by Market Research Future (MRFR), the Automotive Motor Market Information by Product Type, Vehicle Type, Sales Channel, Application, and Region- Forecast till 2034, the [Automotive Motor Market Size](#) was

estimated at 42.18 USD Billion in 2024. The Automotive Motor Market Industry is expected to grow from 44.04 USD Billion in 2025 to 65.00 USD Billion till 2034, at a CAGR is expected to be around 4.42% during the forecast period 2025 – 2034.



automotive motor market



The automotive motor market is witnessing growth, driven by innovations in electric vehicles and advancements in motor technologies, shaping the future of transportation.”

MRFR

Automotive Motor Market A Comprehensive Overview

The automotive motor market is an integral component of the automotive industry, supporting the operations of various vehicle systems ranging from propulsion and steering to electrical and climate control systems.

As the global automotive landscape continues to evolve with the rapid advancements in technology, the demand for automotive motors has surged, owing to factors such as increased production of electric vehicles (EVs), the need

for fuel-efficient solutions, and the growing adoption of advanced driver-assistance systems (ADAS). The market for automotive motors is diverse, with applications spanning from conventional internal combustion engine vehicles to hybrid and electric vehicles.

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Key Companies in the automotive motor market include

Robert Bosch (Germany)

Johnson Electric Holdings Limited (Hong Kong)

Continental (Germany)

Nidec (Japan)

Denso (Japan)

Mitsubishi (Japan)

Siemens (Germany)

Magna (Canada)

Valeo (France)

BorgWarner (US)

Market Trends Highlights

In recent years, the automotive motor market has been undergoing significant transformations driven by the electrification of vehicles, particularly the growing popularity of electric vehicles (EVs) and hybrid electric vehicles (HEVs). These vehicles require highly efficient, reliable, and durable motors to power their systems, which has led to increased demand for electric motors. Additionally, automakers are increasingly integrating advanced technologies like autonomous driving and smart features that require motors for functionality such as steering, braking, and sensor operations.

Furthermore, developments in motor materials, such as permanent magnets and lightweight alloys, have also contributed to the improvement in efficiency and performance of automotive motors.

Automotive Motor Market Dynamics

The automotive motor market is shaped by several dynamics, both positive and negative, which influence its growth trajectory. These factors include technological innovations, regulatory developments, consumer demand for fuel-efficient and environmentally-friendly vehicles, and the overall economic conditions of the global automotive industry.

Market Drivers

Electric Vehicle Growth: The increasing adoption of electric vehicles (EVs) is one of the primary drivers of the automotive motor market. EVs rely heavily on electric motors for propulsion, with advancements in battery technology helping to extend the driving range and improve the overall efficiency of these vehicles.

Technological Advancements: The growing trend of incorporating advanced technologies in vehicles is driving the demand for specialized automotive motors. Features such as autonomous driving, power steering, and electric braking systems all rely on efficient, high-performance motors. In particular, innovations in motors like BLDC motors and integrated electric motors for hybrid vehicles have enhanced motor efficiency, making them more attractive to consumers and manufacturers alike.

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Market Restraints

High Initial Costs: Despite the growing demand for electric vehicles, one of the significant restraints in the automotive motor market is the high cost associated with the production and adoption of electric motors. The upfront cost of electric vehicles, including their motors, can be a barrier for many consumers, especially in emerging markets.

Limited Charging Infrastructure: For electric vehicles to fully replace conventional gasoline-powered vehicles, the development of charging infrastructure is crucial. In many regions, a lack of sufficient charging stations hinders the widespread adoption of electric vehicles, which could impact the demand for automotive motors used in EVs.

Automotive Motor Market Segmentation

The automotive motor market can be segmented based on type, application, and vehicle type.

By Type:

Brushed Motors: These are traditional motors used in various automotive applications, but they are being increasingly replaced by brushless motors due to efficiency and longevity benefits.

Brushless DC Motors (BLDC): These motors are gaining significant traction in electric and hybrid vehicles due to their higher energy efficiency, reduced noise, and longer lifespan.

Permanent Magnet Motors (PMM): Used in electric vehicles, PMMs offer superior efficiency, compactness, and performance.

By Application:

Powertrain: Electric motors play a vital role in the powertrain of electric and hybrid vehicles, providing propulsion.

Steering Systems: Electric motors are used in power steering and steer-by-wire systems,

particularly in electric and hybrid vehicles.

Climate Control Systems: Motors power the HVAC (heating, ventilation, and air conditioning) systems, contributing to comfort and energy efficiency in modern vehicles.

Braking Systems: Electric motors are also increasingly used in regenerative braking systems, particularly in electric and hybrid vehicles.

By Vehicle Type:

Passenger Vehicles: This segment holds the largest share of the automotive motor market, driven by the growing adoption of electric passenger vehicles.

Commercial Vehicles: The increasing use of electric motors in commercial vehicles, including buses and trucks, is another significant driver of the market.

Electric and Hybrid Vehicles: These vehicles require specialized motors, contributing to a significant portion of market growth.

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Regional Analysis

The automotive motor market is geographically diverse, with different regions showing varying growth trends.

North America: The North American market is primarily driven by the U.S., where both passenger and commercial electric vehicle adoption is rising. Government incentives, technological advancements, and increasing consumer interest in sustainability are key growth factors.

Europe: Europe is a leading region for the automotive motor market, largely due to stringent emissions regulations and the European Union's focus on promoting electric mobility. Countries like Germany, France, and the UK are at the forefront of the transition to electric vehicles.

Asia-Pacific: The APAC region, particularly China, is a major player in the automotive motor market, with a growing number of electric vehicle manufacturers and increasing demand for electric mobility solutions. China's electric vehicle market is the largest in the world, contributing significantly to the global market growth.

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