

# Global Automotive High-Speed Motor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GBB83F1E3948EN.html>

Date: December 2023

Pages: 137

Price: US\$ 3,480.00 (Single User License)

ID: GBB83F1E3948EN

## Abstracts

According to our (Global Info Research) latest study, the global Automotive High-Speed Motor market size was valued at USD 1618.5 million in 2022 and is forecast to a readjusted size of USD 6550.9 million by 2029 with a CAGR of 22.1% during review period.

High-speed motor usually refers to the motor whose speed exceeds 10000 r / min. High-speed motors are small in size, can be directly connected to high-speed loads, eliminating the need for traditional mechanical speed increase devices, reducing system noise and improving system transmission efficiency. Currently, induction motors, permanent magnet motors and switched reluctance motors are the main ones that have successfully achieved high speed.

Efficiency trend: In order to improve energy efficiency and reduce fuel consumption, high-speed motors need to have higher efficiency and power density. Therefore, for the design and manufacturing of high-speed motors, it is necessary to continuously improve their performance and quality.

Intelligent trend: With the development of intelligent technology, high-speed motors also need to realize intelligent control and monitoring. By introducing advanced sensors and control systems, intelligent control and monitoring of high-speed motors can be achieved, improving their operating efficiency and reliability.

Lightweight trend: In order to reduce vehicle weight and improve vehicle performance, high-speed motors need to be lightweight. Using technical means such as new materials and optimized design, the weight of high-speed motors can be reduced,

thereby improving vehicle performance.

The Global Info Research report includes an overview of the development of the Automotive High-Speed Motor industry chain, the market status of Sedan (Induction Motor, Permanent Magnet Motor), SUV (Induction Motor, Permanent Magnet Motor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive High-Speed Motor.

Regionally, the report analyzes the Automotive High-Speed Motor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive High-Speed Motor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

**Key Features:**

The report presents comprehensive understanding of the Automotive High-Speed Motor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive High-Speed Motor industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Induction Motor, Permanent Magnet Motor).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive High-Speed Motor market.

**Regional Analysis:** The report involves examining the Automotive High-Speed Motor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future

projections and forecasts for the Automotive High-Speed Motor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive High-Speed Motor:

**Company Analysis:** Report covers individual Automotive High-Speed Motor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Automotive High-Speed Motor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Sedan, SUV).

**Technology Analysis:** Report covers specific technologies relevant to Automotive High-Speed Motor. It assesses the current state, advancements, and potential future developments in Automotive High-Speed Motor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive High-Speed Motor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Automotive High-Speed Motor market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Induction Motor

Permanent Magnet Motor

Other Motor

### Market segment by Application

Sedan

SUV

### Major players covered

GE

ABB

Mitsubishi

Siemens

Bosch Rexroth

Emerson

Meidensha

Hitachi

Jing-Jin Electric

Nidec

Toshiba

Synchrony

Fuji Electric

Huawei

Geely

BYD

Tesla

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)

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

Chapter 1, to describe Automotive High-Speed Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive High-Speed Motor, with price, sales, revenue and global market share of Automotive High-Speed Motor from 2018 to 2023.

Chapter 3, the Automotive High-Speed Motor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive High-Speed Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Automotive High-Speed Motor market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Automotive High-Speed Motor.

Chapter 14 and 15, to describe Automotive High-Speed Motor sales channel, distributors, customers, research findings and conclusion.

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