

# **Global High Speed Motor Market Size study & Forecast, by Type (A.C. Motor, D.C. Motor) by Rotational Speed (3,000 to 6,000 RPM, 6,000 to 10,000 RPM, 10,000 to 15,000 RPM, above 15,000 RPM), by Application (Industry Machinery, Aerospace & Transportation, Power Generation, Automotive, Household Appliances, Medical Equipment's, Others) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global High Speed Motor Market is valued approximately USD XXX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XXX% over the forecast period 2023-2030. A high-speed motor is an advanced electromechanical device designed to operate at exceptionally high rotational speeds. It is specifically engineered to provide rapid and efficient power conversion and motion control in various industrial and technological applications. High-speed motors are characterized by their ability to spin at velocities significantly exceeding those of conventional motors, often reaching tens of thousands or even hundreds of thousands of revolutions per minute (RPM). The key factors driving the market growth is rapidly developing industrial infrastructure coupled with rising energy demand, favorable government initiatives to install energy-efficient systems and diminish carbon footprint, and growing demand in power generation sector that anticipated to support the market growth during forecast period 2023-2030.

Moreover, the rising power generation sector has a significant impact on the growth of the high-speed motor market. As power generation capacity expands, there is a growing need for high-speed motors in various applications. High-speed motors are often used

in power generation equipment such as gas turbines, steam turbines, and hydroelectric generators. These motors are designed to operate at high rotational speeds, enabling efficient energy conversion and power generation. According to Statista, in 2017, the global electricity generation was 25,648 terawatt-hours and the demand for electricity increased significantly and the number reached 28,466 terawatt-hours in 2021. As a result, the growing power generation is anticipated to support the market growth. Additionally, growing technological advancement and growing end use industries is anticipate to create the lucrative opportunity for the market during forecast period. However, the high initial capital costs and availability of other motor systems stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global High Speed Motor Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to rapidly growing energy demand, urbanization, the establishment of new infrastructure, and growing industrialization in the region. North America is expected to grow significantly during the forecast period, owing to factors such as presence of key market players, continuous expenditures in heavy-duty industrial activities together with ongoing investments in research and development of electric vehicle systems and infrastructure.

Major market player included in this report are:

ABB (Switzerland)

Nidec Corporation (Japan)

Siemens (Germany)

Meidensha Corporation (Japan)

Regal Rexnord Corporation (U.S.)

Toshiba International Corporation (U.S.)

Mitsubishi Electric Corporation (Japan)

Emerson Electric Corporation (U.S.)

Fuji Electric Co., Ltd. (Japan)

Turbo Power Systems Limited (U.K.)

Recent Developments in the Market:

In Jan. 2022, Fuji Electric announced the “Plant Systems Center” development at the Tokyo Factory (Hino City, Tokyo). Tokyo Factory has newly built the 'Plant Systems Centre' to improve the production system and plant system development.

Global High Speed Motor Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Rotational Speed, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it

also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

A.C. Motor

D.C. Motor

By Rotational Speed:

3,000 to 6,000 RPM

6,000 to 10,000 RPM

10,000 to 15,000 RPM

Above 15,000 RPM

By Application:

Industry Machinery

Aerospace & Transportation

Power Generation

Automotive

Household Appliances

Medical Equipment's

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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