

Global Permanent Magnet Synchronous Motor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Permanent Magnet Synchronous Motor market size was valued at USD 13840 million in 2023 and is forecast to a readjusted size of USD 17200 million by 2030 with a CAGR of 3.2% during review period.

A permanent magnet synchronous motor (PMSM) uses permanent magnets embedded in the steel rotor to create a constant magnetic field. The stator carries windings connected to an AC supply to produce a rotating magnetic field. At synchronous speed the rotor poles lock to the rotating magnetic field. Permanent magnet synchronous motors are similar to brushless DC motors.

The major players in global Permanent Magnet Synchronous Motor (PMSM) market include Mitsubishi Electric, HITACHI, ABB, etc. The top 3 players occupy about 20% shares of the global market. Asia-Pacific and Europe are main markets, they occupy about 70% of the global market. 10-50Kw is the main type, with a share about 40%. Industry & Automation is the main application, which holds a share about 60%.

The Global Info Research report includes an overview of the development of the Permanent Magnet Synchronous Motor industry chain, the market status of Automation (Above 60V, 41V?60V), Consumer Electronics (Above 60V, 41V?60V), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Permanent Magnet Synchronous Motor.

Regionally, the report analyzes the Permanent Magnet Synchronous 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 Permanent Magnet Synchronous Motor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Permanent Magnet Synchronous 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 Permanent Magnet Synchronous 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., Above 60V, 41V?60V).

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 Permanent Magnet Synchronous Motor market.

Regional Analysis: The report involves examining the Permanent Magnet Synchronous 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 Permanent Magnet Synchronous 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 Permanent Magnet Synchronous Motor:

Company Analysis: Report covers individual Permanent Magnet Synchronous 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 Permanent Magnet Synchronous Motor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automation, Consumer Electronics).

Technology Analysis: Report covers specific technologies relevant to Permanent Magnet Synchronous Motor. It assesses the current state, advancements, and potential future developments in Permanent Magnet Synchronous Motor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Permanent Magnet Synchronous 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

Permanent Magnet Synchronous Motor market is split by Type and by Application. For the period 2019-2030, 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

Above 60V

41V?60V

31V?40V

21V?30V

10V?20V

9V and Below

Market segment by Application

Automation

Consumer Electronics

Residential & Commercial

Automotive & Transportation

Lab Equipment

Medical

Military/Aerospace

Major players covered

DRS Technologies

Emerson

General Electric

Siemens AG

Mitsubishi Electric

Toshiba Corp

Ningbo volcanic electric co.,LTD

Electric Motor Solutions

ElectroCraft, Inc

ARC Systems, Inc

WEG Electric Corp

Rex Engineering Corp

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 Permanent Magnet Synchronous Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Permanent Magnet Synchronous Motor, with price, sales, revenue and global market share of Permanent Magnet Synchronous Motor from 2019 to 2024.

Chapter 3, the Permanent Magnet Synchronous Motor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Permanent Magnet Synchronous Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Permanent Magnet Synchronous Motor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Permanent Magnet Synchronous Motor.

Chapter 14 and 15, to describe Permanent Magnet Synchronous Motor sales channel, distributors, customers, research findings and conclusion.

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