

Permanent Magnet Synchronous Motor Market by Mounting Type (Horizontal & Vertical), Power Rating (Below 375 kW and Above 375 kW), by Application (Oil & Gas, Industrial & Manufacturing, Power, & Transportation), by Region - Global Trends & Forecasts to 2020

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Abstracts

This report estimates the Permanent Magnet Synchronous Motor (PMSM) market in terms of value in USD million. The market has been segmented into regions, and further split into countries.

The use of energy-efficient motors and demand for low power consumption ones motors across the globe would drive the PMSM market. The PMSM is a rotating electric machine where the stator is a classic three-phase stator type, that of an induction motor, and the rotor has permanent magnets, hence the name PMSM. The use of a permanent magnet is to generate a substantial air gap magnetic flux that makes it possible to design highly efficient PM motors. It has dedicated motor control peripherals, high energy efficiency, and extensive motor control capability. The PMSM market is expected to register a high growth rate as it requires the same maintenance similar to standard motors. It also delivers comparatively more advantages, and thus, can be used in diverse applications. The PMSM market has been analyzed on the basis of mounting type, power rating, and application.

The size of the overall market has been determined by forecast techniques, based on region-wise demand for PMSMs used in different applications such as oil & gas, industrial & manufacturing sector, power generation, transportation, and commercial among others. The market is expected to grow at a CAGR of approximately 10.6% from

2015 to 2020.

The report provides a full analysis of key companies and competitive analysis of developments recorded in the industry during the past four years. Market drivers, restraints, and opportunities of the market have been discussed in detail. The leading players of the market such as ABB Ltd. (Switzerland), Alstom (France), Emerson (U.S.), Siemens AG (Germany), General Electric (U.S), Mitsubishi Electric Corporation (Japan), WEG (Brazil), DRS Technologies (U.S.), Meidensha (Japan), and Toshiba Corp. (Japan) have been profiled in this report.

Scope of the report: This study estimates the global PMSM market in terms of application, mounting type, and power rating till 2020. It also offers a detailed qualitative and quantitative analysis of this market. This report provides a comprehensive review of the major market drivers, restraints, opportunities, challenges, and key issues of the market. It also covers various important aspects of the market, including an analysis of value chain, Porter's Five Forces model, competitive landscape, market dynamics, market estimates in terms of value, and future trends in the PMSM market.

Various secondary sources such as encyclopedias, directories, and databases have been used to identify and collect information that was useful for this extensive commercial study of the global PMSM market. Primary sources, experts, manufacturers, and service providers from the industry have been interviewed to obtain and verify critical information as well as assess future prospects of the global PMSM market.

On the basis of application: Oil & Gas, Industrial & Manufacturing, Metals & Mining, Power, Paper & Pulp, Pumps & Ventilation Systems, Transportation, and Commercial

On the basis of mounting type: Horizontal Mounting and Vertical Mounting

On the basis of power rating: Below 375kW and Above 375kW

On the basis of region: The Americas, Europe, Asia-Pacific, and the Middle-East & Africa

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