

Global AC Electric Motor Sales in Oil & Gas Market Size Study & Forecast, by Type (Synchronous Motor, Asynchronous Motor, Universal Motor, Stepper Motor), by Application (Industrial Machinery, HVAC Systems, Pumps, Fans and Blowers), by End Use (Residential, Commercial, Industrial), by Voltage Rating (Low Voltage, Medium Voltage, High Voltage) and Regional Forecasts 2025-2035

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Abstracts

The Global AC Electric Motor Sales in Oil & Gas Market is currently valued at approximately USD 30.78 billion in 2024 and is poised to register a steady compound annual growth rate (CAGR) of 3.88% during the forecast period from 2025 to 2035. The growing deployment of AC electric motors across various critical oil and gas operations—ranging from upstream drilling platforms to downstream refining infrastructure—has been pivotal in shaping this market. These motors are vital for ensuring optimal performance, reduced downtime, and heightened energy efficiency across mechanical systems like compressors, pumps, and fans that support the sector's operational backbone. Additionally, the transition from conventional combustion-based systems to more electric-driven infrastructure—fueled by rising sustainability mandates and electrification trends—has further accelerated the adoption of AC motors across the oil and gas supply chain.

Amid surging exploration and production activities in both mature and frontier oilfields, the demand for technologically sophisticated motors—capable of handling high torque under extreme conditions—has witnessed a significant uptick. Synchronous and asynchronous motors, with their robust torque-speed characteristics and lower

maintenance requirements, are rapidly gaining preference across offshore and onshore installations. Moreover, the integration of smart sensors and real-time performance analytics into motor systems has allowed for predictive maintenance strategies, thereby minimizing equipment failure and enhancing operational lifespan. Meanwhile, the continued evolution of motor control systems and inverter technology is enabling operators to dynamically match energy consumption with varying load demands—leading to higher process efficiency and reduced operating costs.

Regionally, North America continues to lead the market, supported by its expansive shale gas operations, technological advancements, and increasing investments in digital oilfield initiatives. The United States, in particular, remains at the forefront owing to its deep-rooted energy infrastructure and robust oilfield service ecosystem. Europe is not far behind, with nations like Norway and the UK integrating electric drive systems in offshore platforms to reduce carbon emissions. On the other hand, the Asia Pacific region is projected to experience the fastest growth, driven by increasing energy consumption in industrializing economies such as China and India, where local oil and gas operators are investing heavily in electrification and digital motor systems. Meanwhile, the Middle East & Africa and Latin America are also ramping up their motor deployments in support of ongoing upstream expansions and regional refining capacity enhancements.

Major market players included in this report are:

ABB Ltd.

Siemens AG

General Electric Company

Nidec Corporation

WEG Industries

Toshiba Corporation

Hitachi, Ltd.

Regal Rexnord Corporation

TECO-Westinghouse Motor Company

Mitsubishi Electric Corporation

Rockwell Automation, Inc.

Schneider Electric SE

Bosch Rexroth AG

Emerson Electric Co.

Kirloskar Electric Company

Global AC Electric Motor Sales in Oil & Gas Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

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

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

Customization Scope – Free report customization (equivalent up to 8 analysts' 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 for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of

the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Type:

Synchronous Motor

Asynchronous Motor

Universal Motor

Stepper Motor

By Application:

Industrial Machinery

HVAC Systems

Pumps

Fans and Blowers

By End Use:

Residential

Commercial

Industrial

By Voltage Rating:

Low Voltage

Medium Voltage

High Voltage

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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