

Induction Motor Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

Market Report | 2025-08-12 | 151 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

Report description:

The global induction motor market was valued at USD 22.00 Billion in 2024. The industry is expected to expand at a CAGR of 9.50% during the forecast period of 2025-2034 to attain a value of USD 54.52 Billion by 2034.

Induction Motor Market Analysis

The induction motor market is witnessing steady growth driven by its widespread use in various industrial applications, including manufacturing, HVAC systems, and automotive industries. Known for their reliability, efficiency, and low maintenance, induction motors are preferred in both small and large-scale operations, thus aiding the induction motor demand.

Technological advancements, such as the development of energy-efficient and variable-speed motors, are expanding their scope, particularly in industries focusing on energy conservation and cost reduction. The growing demand for automation, coupled with industrialization in emerging markets, is further boosting the market. Additionally, the rise of electric vehicles and renewable energy projects is expected to drive future growth in this sector.

For instance, Siemens' SIMOTICS SD next-generation motors are designed with energy-efficient IE4 and IE5 ratings, making them appropriate for industries that emphasize cost-effective energy use. They have variable-speed compatibility to improve performance in applications like conveyor systems and pumps. Similarly, Tesla's electric vehicles make use of induction motors for high efficiency and performance. In the renewable energy sector, General Electric's motors are widely used in wind turbines to support sustainable energy projects. These are examples of how technological innovations in induction motors drive adoption across automotive, industrial, and renewable energy markets to contribute to sector growth and sustainability targets.

Induction Motor Market Growth

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Energy efficiency in industrial applications is the most critical factor influencing the growth of induction motor market. Various industries do not want to increase their cost of operation and strictly follow the environmental regulations that have resulted in higher demand for induction motors with high efficiency. For instance, in the renewable energy sector, induction motors are required for wind turbines, pumps, compressors, etc. The global push for cleaner energy alternatives, coupled with India's increasing infrastructure for renewable energy, boosts the application of such motors for a productive and cost-effective operation.

The application of induction motors in surgical robotic systems is a niche driver for the induction motor market. Induction motors guarantee precise movement, reliability, and durability needed for robotic-assisted surgeries. For instance, the da Vinci Surgical System applies these motors to maintain constant robotic arm control for minimal invasive procedures. With advancements in medical robotics, high-performance induction motors are expected to be increasingly applied in healthcare, which will promote niche growth in this segment.

Key Trends and Developments

Energy efficiency, automation, electric vehicles, and IoT integration are driving growth in the induction motor market.

September 2024

Tom Stanton developed a custom linear induction motor for launching model airplanes, using alternating magnets and coils, achieving speeds of 10.2 m/s for efficient propulsion.

July 2023

ABB launched AMI 5800 induction motor offers high energy efficiency, reliability, and durability with modular design, welded steel frame, and performance for various industrial applications.

February 2021

BorgWarner launched the HVH 320 electric motor, featuring 800-volt capabilities, 97% peak efficiency, and over 400kW power, for hybrid and electric commercial vehicles in 2024.

November 2020

ABB launched high-output M3BP IEC induction motors in India, offering compact design, increased efficiency, and higher output, reducing installation space and total ownership costs.

Energy-Efficient and Sustainable Motors

The rising interest in energy efficiency and sustainability is a dominant trend in the induction motor market. Governments and industries are focusing on energy-saving technologies because of increasing energy costs and environmental issues. Induction motors are being designed with higher efficiency ratings, reducing energy consumption and operational costs. With variable-speed drives (VSD) and advanced motor controllers, the energy efficiency of the motors has been enhanced even further. They are now preferred in applications where energy saving is the main requirement. Increasingly, manufacturers, HVAC, and utilities opt for energy-efficient induction motors as a measure towards sustainability and to reduce their carbon footprint, thereby propelling the induction motor demand.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Automation and Industrialization

Key growth factors in the induction motor market include the rapid growth of automation and smart manufacturing. High-performance motors are in greater demand as industries move toward automated processes. Induction motors are very popular in robotic arms, conveyor systems, and other automated machinery because of their reliability and ability to continuously work under demanding conditions. The rise of Industry 4.0, which is characterized by smart factories and connected machines, is also raising the demand for induction motors with advanced monitoring systems. Such motors provide the accuracy, durability, and efficiency required in modern automated and industrial applications and thus boost the market growth.

Growth of Electric Vehicles (EVs)

Induction motors are increasingly being adopted in electric vehicles (EVs) due to their robustness, efficiency, and cost-effectiveness. The EV manufacturers are now switching towards induction motors rather than permanent magnet motors because they have a much simpler design with fewer rare earth materials. Induction motors also have the advantage of being durable and can operate at higher temperatures without degrading. With the global automotive industry's move toward electric mobility, the demand for efficient and reliable induction motors is expected to surge. Further, the ever-increasing availability of charging infrastructure, as well as government incentives for the adoption of electric vehicles are further fueling the adoption of induction motors in electric vehicles, thus boosting the induction motor market revenue.

Integration with IoT and Smart Technologies

The integration of induction motors with IoT and smart technologies has revolutionized the monitoring and maintenance of these motors. IoT-enabled induction motors enable the real-time collection of information regarding the performance of motors like temperature, speed, and vibration level. It can be used to do predictive maintenance and therefore reduces unplanned downtime. Advanced sensors and AI-driven analytics are helping businesses get better results in the performance of an induction motor to work longer. This trend is particularly relevant in sectors where continuous operation is needed, such as manufacturing, mining, and HVAC. The application of this new standard shall enhance the efficiency of a motor-driven system in operation.

Induction Motor Market Trends

The demand for efficient electrical systems, such as induction motors, is rising as a result of the world's transition to renewable energy, thus shaping new trends in the induction motor market. As of March 31, 2024, India's installed generating capacity was 441,970 MW, of which 198,753 MW, or 45%, came from non-fossil fuel sources. This comprises large hydro (46,928 MW), wind (45,887 MW), and solar (81,814 MW). Induction motors, which are necessary to power renewable energy generation and distribution systems, are becoming much more in demand as India's renewable energy infrastructure grows.

Induction Motor Market Dynamics

- Induction motors are integral to wind turbines and other renewable energy applications.
- Expansion opportunities in developing regions with increasing industrialization.
- Versatility in industrial and commercial sectors ensures steady demand across various applications.
- Established manufacturing processes and widespread adoption contribute to market stability.

Induction Motor Market Restraints

- Global economic fluctuations impact capital expenditure on industrial equipment.
- Dependencies on raw materials and global supply chains pose operational risks, shaping induction motor market challenges.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Price competition from other motor types challenges profitability in the market.
- Inherent limitations in speed control compared to newer motor technologies.

Induction Motor Industry Segmentation

□Induction Motor Market Report and Forecast 2025-2034□ offers a detailed analysis of the market based on the following segments:

Market Breakup by Product Type:

- Single Phase Induction Motors
- Three Phase Induction Motors

Market Breakup by End Use:

- Industrial
- Commercial
- Residential

Market Breakup by Region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Induction Motor Market Share

By Product Type Analysis

Single-phase and three-phase induction motors are gaining significant traction in the global market. As per induction motor market analysis, these motors are very durable, cost-effective, and versatile for nearly any type of application. Single-phase motors are commonly used on household appliances and small machines and are used generally in light-duty applications, whereas three-phase motors are usually opted for industrial settings, yielding greater efficiency, power output, and aptitude for heavy-duty equipment. With increasing interests in automation and energy, the demand for both motor types, especially in the manufacturing and HVAC industries, has accelerated.

Market Analysis by End Use

Induction motors have significant usage in the industrial, commercial, and residential sector because they are efficient and versatile. As per induction motor industry analysis, in industrial applications, it provides power for machinery such as pumps, compressors, conveyors, and fans to support the manufacturing and production process. In commercial applications, induction motors drive HVAC systems, elevators, escalators, and refrigeration units to enhance operational efficiency. In household uses, they feature in washing machines, air conditioners, and refrigerators, on which they rely to deliver reliable and energy-efficient performance for daily applications.

Induction Motor Market Regional Insights

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

North America Induction Motor Market Opportunities

Huge opportunities exist in the North American induction motor market, driven primarily by industrial automation, energy efficiency initiatives, and renewable energy projects. The adoption of automation technologies in all sectors, including manufacturing, automotive, and HVAC in the U.S. and Canada, is boosting the demand for induction motors. The strict regulations on energy efficiency and the resultant push toward greener technologies are also driving the utilisation of high-efficiency motors. Renewable energy infrastructure growth- wind and solar- further supports the demand in induction motors, particularly in power generation and distribution.

Asia Pacific Induction Motor Market Trends

Growing industrialization and automation, supplemented by the need for energy efficiency solutions, is also fueling the Asia Pacific market for induction motor. Companies like Siemens and Mitsubishi Electric are leaders in this space and introduce the latest induction motors in manufacturing, HVAC, and renewable energy application spaces. Infrastructure development is on the priority list of several countries, and India and China are among them. Thus, demand for efficient motor solutions to power industrial machinery, renewable energy projects, and commercial applications is expected to dominate the region.

Europe Induction Motor Market Dynamics

Stricter energy efficiency norms have been driving the Europe induction motor market. Continuous industrial automation, as well as rising demand for renewable energy solutions, also fuel this market. Increasingly, industries are focusing on the high-efficiency induction motors and enhancing their technologies to meet EU environmental standards in manufacturing, HVAC, and renewable energy sectors. Some of these leading companies include ABB and Siemens, among others. Furthermore, the focus on sustainable energy and infrastructures by Europe is driving the demand for efficient induction motors even more.

Middle East and Africa Induction Motor Market Drivers

Induction motor market in the Middle East and Africa is mainly driven due to rapid industrialization, infrastructure development, and increasing demands for energy-efficient solutions. Indications are that in UAE, Saudi Arabia, and South Africa, massive investments in oil & gas, mining, and manufacturing industries have raised the demand for rugged induction motors. The region's efforts towards renewable energy sources, in which solar is highly pursued in Morocco, also adds to the growth. Additionally, increasing energy efficiency regulation has led to greater adoption of high-efficiency induction motors across sectors.

Latin America Induction Motor Market Insights

Rising industrial sectors, renewable energy plans, and more focus on energy efficiency are driving the induction motor market in Latin America. In Brazil, Mexico, and Argentina, investments have been made towards manufacturing, mining, and renewable source projects, which generate power demand for reliable motor solutions. Companies like WEG, a Brazilian manufacturer, are setting an example in the industry by providing energy-efficient induction motors for various applications, including industrial machinery, HVAC, and renewable energy generation, which in turn expands the market in the region.

Competitive Landscape

The Induction Motor market players are looking to improve processing technologies that will assist in better quality and sustainability of their product to meet the emerging demand for high-performance Induction Motor in construction, cement, and infrastructure. Such Induction Motor companies invest more in beneficiation techniques or eco-friendly products and CO2

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

emissions in the pursuit of an increased global focus on sustainable building materials.

ABB Ltd

Founded in 1988 and headquartered in Zurich, Switzerland, ABB's present stock of induction motors deals with high efficiency and performance. The portfolio comprises motors for industrial, commercial, and renewable energy applications with a focus on saving energy with advanced technology and an automation solution.

AMETEK Inc.

AMETEK was founded in 1930 and is headquartered in Berwyn, Pennsylvania. They offer a wide range of high-quality induction motors for various industries. Their products include energy-efficient manufacturing, HVAC, and aerospace motors, especially emphasis on advanced controls and precision applications.

Siemens

Siemens is a company founded in 1847, based in Munich, Germany, which offers one of the most versatile induction motors for reliability and energy efficiency. Its products are custom-made for industries such as manufacturing, transport, and renewable sources, consisting of advanced automation and digitalization features.

Johnson Electric Holdings Limited

Founded in 1959, Johnson Electric is headquartered in Hong Kong, with a focus on small to medium-sized induction motors. The company caters to solutions for both automotive, industrial, and consumer electronics markets, focusing significantly on high efficiency, durability, and innovative motion control technologies.

Other market players in the induction motor market report includes Regal Beloit Corporation, among others.

Innovative Induction Motor Startups

Start-ups in the induction motor market focus on developing energy-efficient smart motors with advanced automation. These include IoT-based predictive maintenance and efficiency improvement for energy consumption and enhanced performance. Start-ups also look towards emerging sectors such as electric vehicles and automation with the solution of sustainability and cost-effectiveness for industrial applications.

EcoMotor Innovations

EcoMotor Innovations focuses on developing energy-efficient induction motors for industrial applications, with IoT-based monitoring for predictive maintenance and at a lower cost that is sustainable to reduce consumption of energy in the processes of manufacturing.

VoltDrive Technologies

VoltDrive Technologies designs smart induction motors that are specifically for electric vehicles using advanced sensors and AI algorithms to optimize performance. In their focus on enhancing motor efficiency, durability, and the integration of IoT for real-time monitoring.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Induction Motor Market Report Snapshots

Induction Motor Market Size

Induction Motor Market Growth

Induction Motor Market Analysis

Induction Motor Market Share

Induction Motor Companies

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Induction Motor Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Induction Motor Historical Market (2018-2024)
 - 5.3 Global Induction Motor Market Forecast (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.4 Global Induction Motor Market by Product Type

5.4.1 Single Phase Induction Motors

5.4.1.1 Historical Trend (2018-2024)

5.4.1.2 Forecast Trend (2025-2034)

5.4.2 Three Phase Induction Motors

5.4.2.1 Historical Trend (2018-2024)

5.4.2.2 Forecast Trend (2025-2034)

5.5 Global Induction Motor Market by End Use

5.5.1 Industrial

5.5.1.1 Historical Trend (2018-2024)

5.5.1.2 Forecast Trend (2025-2034)

5.5.2 Commercial

5.5.2.1 Historical Trend (2018-2024)

5.5.2.2 Forecast Trend (2025-2034)

5.5.3 Residential

5.5.3.1 Historical Trend (2018-2024)

5.5.3.2 Forecast Trend (2025-2034)

5.6 Global Induction Motor Market by Region

5.6.1 North America

5.6.1.1 Historical Trend (2018-2024)

5.6.1.2 Forecast Trend (2025-2034)

5.6.2 Europe

5.6.2.1 Historical Trend (2018-2024)

5.6.2.2 Forecast Trend (2025-2034)

5.6.3 Asia Pacific

5.6.3.1 Historical Trend (2018-2024)

5.6.3.2 Forecast Trend (2025-2034)

5.6.4 Latin America

5.6.4.1 Historical Trend (2018-2024)

5.6.4.2 Forecast Trend (2025-2034)

5.6.5 Middle East and Africa

5.6.5.1 Historical Trend (2018-2024)

5.6.5.2 Forecast Trend (2025-2034)

6 North America Induction Motor Market Analysis

6.1 United States of America

6.1.1 Historical Trend (2018-2024)

6.1.2 Forecast Trend (2025-2034)

6.2 Canada

6.2.1 Historical Trend (2018-2024)

6.2.2 Forecast Trend (2025-2034)

7 Europe Induction Motor Market Analysis

7.1 United Kingdom

7.1.1 Historical Trend (2018-2024)

7.1.2 Forecast Trend (2025-2034)

7.2 Germany

7.2.1 Historical Trend (2018-2024)

7.2.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.3 France
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
- 7.4 Italy
 - 7.4.1 Historical Trend (2018-2024)
 - 7.4.2 Forecast Trend (2025-2034)
- 7.5 Others
- 8 Asia Pacific Induction Motor Market Analysis
 - 8.1 China
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
 - 8.2 Japan
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
 - 8.3 India
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
 - 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
 - 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
 - 8.6 Others
- 9 Latin America Induction Motor Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Others
- 10 Middle East and Africa Induction Motor Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.4.2 Forecast Trend (2025-2034)
- 10.5 Others
- 11 Market Dynamics
 - 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
 - 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
 - 11.3 Key Indicators for Demand
 - 11.4 Key Indicators for Price
- 12 Value Chain Analysis
- 13 Competitive Landscape
 - 13.1 Supplier Selection
 - 13.2 Key Global Players
 - 13.3 Key Regional Players
 - 13.4 Key Player Strategies
 - 13.5 Company Profiles
 - 13.5.1 ABB Ltd
 - 13.5.1.1 Company Overview
 - 13.5.1.2 Product Portfolio
 - 13.5.1.3 Demographic Reach and Achievements
 - 13.5.1.4 Certifications
 - 13.5.2 AMETEK Inc.
 - 13.5.2.1 Company Overview
 - 13.5.2.2 Product Portfolio
 - 13.5.2.3 Demographic Reach and Achievements
 - 13.5.2.4 Certifications
 - 13.5.3 Siemens
 - 13.5.3.1 Company Overview
 - 13.5.3.2 Product Portfolio
 - 13.5.3.3 Demographic Reach and Achievements
 - 13.5.3.4 Certifications
 - 13.5.4 Johnson Electric Holdings Limited
 - 13.5.4.1 Company Overview
 - 13.5.4.2 Product Portfolio
 - 13.5.4.3 Demographic Reach and Achievements
 - 13.5.4.4 Certifications
 - 13.5.5 Regal Beloit Corporation
 - 13.5.5.1 Company Overview
 - 13.5.5.2 Product Portfolio
 - 13.5.5.3 Demographic Reach and Achievements

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

13.5.5.4 Certifications
13.5.6 Others

**Induction Motor Market Size and Share Outlook - Forecast Trends and Growth
Analysis Report (2025-2034)**

Market Report | 2025-08-12 | 151 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-10"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

