

Induction Motors Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type (Single-Phase Induction Motor and Three-Phase Induction Motor), By Application (Residential, Commercial, and Industrial), By Region, By Competition, 2020-2030F

<https://marketpublishers.com/r/IF1E2B2C379EEN.html>

Date: May 2025

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: IF1E2B2C379EEN

Abstracts

Market Overview

The Global Induction Motors Market was valued at USD 20.31 billion in 2024 and is projected to reach USD 30.72 billion by 2030, growing at a CAGR of 6.98%. Induction motors are a cornerstone in modern industry, known for their robust construction, efficiency, and adaptability across a range of applications. These motors convert electrical energy into mechanical energy using electromagnetic induction and are widely utilized in sectors such as manufacturing, automotive, HVAC, agriculture, mining, and water treatment. Their ability to operate efficiently under various conditions makes them a preferred choice for both residential and industrial settings. Market growth is primarily driven by the increased demand for energy-efficient and cost-effective motor solutions, particularly as global energy standards tighten. Advancements in automation and digital integration, coupled with rising investments in industrial infrastructure and sustainability initiatives, are further contributing to the growing deployment of induction motors worldwide.

Key Market Drivers

Increasing Demand for Energy Efficiency and Sustainability

A major growth driver for the induction motors market is the global push for energy-efficient and environmentally sustainable technologies. As industries face rising energy costs and stricter environmental mandates, there is increasing pressure to adopt systems that minimize power consumption and reduce carbon emissions. Induction motors, especially those adhering to high-efficiency classifications like IE3 and IE4, are seeing widespread adoption due to their cost-efficiency, low maintenance needs, and proven reliability. In many manufacturing operations, electric motors account for a substantial portion of energy use, sometimes up to 70%, making energy-efficient models an essential component in reducing operational costs. Governmental policies and financial incentives such as rebates and subsidies are encouraging industries to upgrade outdated motor systems. As a result, sectors such as HVAC, water management, and logistics are increasingly investing in high-efficiency induction motors to align with sustainability goals and achieve long-term cost savings.

Key Market Challenges

Growth of Induction Motors

A key challenge impacting the growth of the induction motors market is the heightened requirement for compliance with energy efficiency regulations, which often demands significant upgrades and retrofits of legacy systems. While induction motors are valued for their durability and operational simplicity, they may fall short in energy performance when compared to alternatives like permanent magnet synchronous motors (PMSMs), especially in variable-speed applications. Regulatory bodies such as the U.S. Department of Energy and the European Union have imposed rigorous standards like IE3 and IE4, compelling manufacturers to make costly design enhancements. This elevates production costs and tightens profit margins. For end-users, particularly small to mid-sized enterprises, the expense of replacing or retrofitting existing motors is a significant financial burden. Additionally, compatibility challenges between newer high-efficiency motors and existing infrastructure create integration hurdles. Without widespread support for modernization and technical upgrades, the transition to next-generation induction motor systems may be slowed.

Key Market Trends

Integration of Smart Motor Technologies

An emerging trend in the induction motors market is the increasing adoption of smart motor technologies and digital connectivity. With the rise of Industry 4.0, manufacturers

are embedding sensors and communication modules into induction motors to enable real-time monitoring, predictive maintenance, and remote diagnostics. These smart systems enhance operational efficiency by minimizing downtime and optimizing performance. The convergence of induction motors with IoT platforms allows users to gather actionable insights from equipment data, improving decision-making and asset management. For example, motors equipped with sensors to detect temperature, current, and vibration can alert users to potential faults, reducing the risk of system failures. The trend is gaining traction in critical sectors such as oil and gas, water treatment, and manufacturing, where operational reliability is essential. Technologies like cloud analytics, AI, digital twins, and edge computing are further reinforcing this shift, allowing predictive insights and simulations to refine system performance. Retrofitting solutions and service-based business models, such as motor-as-a-service (MaaS), are also making smart motor integration accessible to legacy systems, driving modernization across the market.

Key Market Players

ABB Ltd

Emerson Electric Co.

AMETEK Inc.

Siemens AG

NIDEC Corporation

Toshiba Corporation

Danaher Corporation

Johnson Electric Group

Regal Rexnord Corporation

WEG SA

Report Scope:

In this report, the Global Induction Motors Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Induction Motors Market, By Type:

Single-Phase Induction Motor

Three-Phase Induction Motor

Induction Motors Market, By Application:

Residential

Commercial

Industrial

Induction Motors Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Competitive Landscape

Induction Motors Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type (...)

Company Profiles: Detailed analysis of the major companies present in the Global Induction Motors Market.

Available Customizations:

Global Induction Motors Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional Market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
- 1.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Formulation of the Scope
- 2.4. Assumptions and Limitations
- 2.5. Sources of Research
 - 2.5.1. Secondary Research
 - 2.5.2. Primary Research
- 2.6. Approach for the Market Study
 - 2.6.1. The Bottom-Up Approach
 - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
 - 2.8.1. Data Triangulation & Validation

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL INDUCTION MOTORS MARKET OUTLOOK

- 5.1. Market Size & Forecast

- 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Single-Phase Induction Motor and Three-Phase Induction Motor)
 - 5.2.2. By Application (Residential, Commercial, and Industrial)
 - 5.2.3. By Region
- 5.3. By Company (2024)
- 5.4. Market Map

6. NORTH AMERICA INDUCTION MOTORS MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Type
 - 6.2.2. By Application
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Induction Motors Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Type
 - 6.3.1.2.2. By Application
 - 6.3.2. Canada Induction Motors Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Type
 - 6.3.2.2.2. By Application
 - 6.3.3. Mexico Induction Motors Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Type
 - 6.3.3.2.2. By Application

7. EUROPE INDUCTION MOTORS MARKET OUTLOOK

- 7.1. Market Size & Forecast

- 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Type
 - 7.2.2. By Application
 - 7.2.3. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Induction Motors Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Type
 - 7.3.1.2.2. By Application
 - 7.3.2. United Kingdom Induction Motors Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Type
 - 7.3.2.2.2. By Application
 - 7.3.3. Italy Induction Motors Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Type
 - 7.3.3.2.2. By Application
 - 7.3.4. France Induction Motors Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Type
 - 7.3.4.2.2. By Application
 - 7.3.5. Spain Induction Motors Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Type
 - 7.3.5.2.2. By Application

8. ASIA-PACIFIC INDUCTION MOTORS MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Application

8.2.3. By Country

8.3. Asia-Pacific: Country Analysis

8.3.1. China Induction Motors Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Type

8.3.1.2.2. By Application

8.3.2. India Induction Motors Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Type

8.3.2.2.2. By Application

8.3.3. Japan Induction Motors Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Type

8.3.3.2.2. By Application

8.3.4. South Korea Induction Motors Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Type

8.3.4.2.2. By Application

8.3.5. Australia Induction Motors Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Type

8.3.5.2.2. By Application

9. SOUTH AMERICA INDUCTION MOTORS MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Application

9.2.3. By Country

9.3. South America: Country Analysis

9.3.1. Brazil Induction Motors Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Type

9.3.1.2.2. By Application

9.3.2. Argentina Induction Motors Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Type

9.3.2.2.2. By Application

9.3.3. Colombia Induction Motors Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Type

9.3.3.2.2. By Application

10. MIDDLE EAST AND AFRICA INDUCTION MOTORS MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Type

10.2.2. By Application

10.2.3. By Country

10.3. Middle East and Africa: Country Analysis

10.3.1. South Africa Induction Motors Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

- 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Type
 - 10.3.1.2.2. By Application
- 10.3.2. Saudi Arabia Induction Motors Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Type
 - 10.3.2.2.2. By Application
- 10.3.3. UAE Induction Motors Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Type
 - 10.3.3.2.2. By Application
- 10.3.4. Kuwait Induction Motors Market Outlook
 - 10.3.4.1. Market Size & Forecast
 - 10.3.4.1.1. By Value
 - 10.3.4.2. Market Share & Forecast
 - 10.3.4.2.1. By Type
 - 10.3.4.2.2. By Application
- 10.3.5. Turkey Induction Motors Market Outlook
 - 10.3.5.1. Market Size & Forecast
 - 10.3.5.1.1. By Value
 - 10.3.5.2. Market Share & Forecast
 - 10.3.5.2.1. By Type
 - 10.3.5.2.2. By Application

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. COMPANY PROFILES

13.1. ABB Ltd

13.1.1. Business Overview

13.1.2. Key Revenue and Financials

13.1.3. Recent Developments

13.1.4. Key Personnel/Key Contact Person

13.1.5. Key Product/Services Offered

13.2. Emerson Electric Co.

13.3. AMETEK.Inc.

13.4. Siemens AG

13.5. NIDEC Corporation

13.6. Toshiba Corporation

13.7. Danaher Corporation

13.8. Johnson Electric Group

13.9. Regal Rexnord Corporation

13.10. WEG SA

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: Induction Motors Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Type (Single-Phase Induction Motor and Three-Phase Induction Motor), By Application (Residential, Commercial, and Industrial), By Region, By Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/IF1E2B2C379EEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IF1E2B2C379EEN.html>