

Global Energy Efficient Motor Market Size Study & Forecast, by Efficiency Level (IE1, IE2, IE3, IE4), by Application (HVAC, Fans, Pumps, Compressors, Others), by End-Use (Industrial, Commercial Building, Residential, Automotive, Others) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G94361AFC252EN.html>

Date: November 2024

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G94361AFC252EN

Abstracts

The Global Energy Efficient Motor Market is currently valued at around USD 40.1 billion in 2024 and is projected to expand at a staggering compound annual growth rate (CAGR) of 6.12% during the forecast period from 2025 to 2035. The growing urgency to reduce carbon footprints, along with stringent regulatory frameworks emphasizing energy conservation, has significantly fueled the transition from conventional motor systems to energy-efficient alternatives across industries. These motors, engineered to consume less electricity while offering superior torque and performance, are becoming indispensable in applications ranging from HVAC and refrigeration to pumps and heavy industrial machinery. Businesses globally are rapidly adopting these motors not just for their sustainability benefits but also for the long-term cost savings they bring through reduced energy bills and maintenance expenditures.

The market growth is further underpinned by technological strides in motor architecture, such as advancements in permanent magnet synchronous motors and the incorporation of smart sensors and variable speed drives. These innovations enable motors to dynamically adjust output based on real-time demand, thus optimizing operations and minimizing energy wastage. Moreover, the emergence of Industry 4.0 and increasing integration of IoT in manufacturing setups are bolstering demand for motors with intelligent diagnostic features. For example, motors embedded with predictive maintenance capabilities now allow facility managers to preemptively address

performance anomalies, extending the motor's lifecycle and reducing downtime. Governments across both developed and developing economies are offering attractive tax incentives, subsidies, and energy labeling programs to encourage industries and households to upgrade to energy-efficient motors.

From a regional standpoint, North America currently leads the market due to its aggressive energy efficiency policies, aging industrial infrastructure undergoing retrofit cycles, and a strong focus on sustainability initiatives. The United States continues to witness high adoption in industrial and commercial buildings owing to DOE mandates and Energy Star certifications. Meanwhile, Europe remains a critical contributor, with the EU's Ecodesign Directive playing a pivotal role in standardizing efficiency norms across member states. The Asia Pacific region, on the other hand, is expected to experience the fastest growth during the forecast period. Countries like China, India, and Japan are ramping up investments in infrastructure, manufacturing, and electric mobility, all of which require robust deployment of high-efficiency motors. The growing urbanization and electrification in these regions are creating a massive demand for applications like HVAC, water supply, and compressed air systems that are powered by these motors.

Major market players included in this report are:

Siemens AG

ABB Ltd.

Toshiba Corporation

Mitsubishi Electric Corporation

Schneider Electric SE

Nidec Corporation

Regal Rexnord Corporation

WEG Industries

General Electric Company

Hitachi, Ltd.

Bosch Rexroth AG

Danfoss Group

TECO-Westinghouse Motor Company

Brook Crompton Holdings Ltd.

Johnson Electric Holdings Limited

Global Energy Efficient Motor 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 Efficiency Level:

IE1

IE2

IE3

IE4

By Application:

HVAC

Fans

Pumps

Compressors

Others

By End-Use:

Industrial

Commercial Building

Residential

Automotive

Others

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.

Contents

CHAPTER 1. GLOBAL ENERGY EFFICIENT MOTOR MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL ENERGY EFFICIENT MOTOR MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Energy Efficient Motor Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Stringent energy regulations and growing environmental awareness
 - 3.2.2. Rising electricity prices and demand for operational cost reduction
- 3.3. Restraints
 - 3.3.1. High initial investment cost and retrofitting challenges
 - 3.3.2. Lack of awareness in small-scale industries and residential users
- 3.4. Opportunities
 - 3.4.1. Technological advancements in motor control and smart diagnostics
 - 3.4.2. Government incentives and green building standards promoting energy-efficient systems

CHAPTER 4. GLOBAL ENERGY EFFICIENT MOTOR INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ENERGY EFFICIENT MOTOR MARKET SIZE & FORECASTS BY EFFICIENCY LEVEL 2025–2035

- 5.1. Market Overview
- 5.2. Global Energy Efficient Motor Market Performance – Potential Analysis (2025)
- 5.3. IE1
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.2. Market Size Analysis, by Region, 2025–2035
- 5.4. IE2
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.4.2. Market Size Analysis, by Region, 2025–2035
- 5.5. IE3
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.5.2. Market Size Analysis, by Region, 2025–2035
- 5.6. IE4
 - 5.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

5.6.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 6. GLOBAL ENERGY EFFICIENT MOTOR MARKET SIZE & FORECASTS BY APPLICATION 2025–2035

6.1. Market Overview

6.2. Global Energy Efficient Motor Market Performance – Potential Analysis (2025)

6.3. HVAC

6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.3.2. Market Size Analysis, by Region, 2025–2035

6.4. Fans

6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.4.2. Market Size Analysis, by Region, 2025–2035

6.5. Pumps

6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.5.2. Market Size Analysis, by Region, 2025–2035

6.6. Compressors

6.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.6.2. Market Size Analysis, by Region, 2025–2035

6.7. Others

6.7.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.7.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 7. GLOBAL ENERGY EFFICIENT MOTOR MARKET SIZE & FORECASTS BY END-USE 2025–2035

7.1. Market Overview

7.2. Global Energy Efficient Motor Market Performance – Potential Analysis (2025)

7.3. Industrial

7.4. Commercial Building

7.5. Residential

7.6. Automotive

7.7. Others

CHAPTER 8. GLOBAL ENERGY EFFICIENT MOTOR MARKET SIZE & FORECASTS BY REGION 2025–2035

8.1. Regional Market Snapshot

8.2. Top Leading & Emerging Countries

8.3. North America Energy Efficient Motor Market

8.3.1. U.S.

8.3.1.1. Efficiency Level Breakdown

8.3.1.2. Application Breakdown

8.3.2. Canada

8.3.2.1. Efficiency Level Breakdown

8.3.2.2. Application Breakdown

8.4. Europe Energy Efficient Motor Market

8.4.1. UK

8.4.1.1. Efficiency Level Breakdown

8.4.1.2. Application Breakdown

8.4.2. Germany

8.4.2.1. Efficiency Level Breakdown

8.4.2.2. Application Breakdown

8.4.3. France

8.4.3.1. Efficiency Level Breakdown

8.4.3.2. Application Breakdown

8.4.4. Spain

8.4.4.1. Efficiency Level Breakdown

8.4.4.2. Application Breakdown

8.4.5. Italy

8.4.5.1. Efficiency Level Breakdown

8.4.5.2. Application Breakdown

8.4.6. Rest of Europe

8.4.6.1. Efficiency Level Breakdown

8.4.6.2. Application Breakdown

8.5. Asia Pacific Energy Efficient Motor Market

8.5.1. China

8.5.1.1. Efficiency Level Breakdown

8.5.1.2. Application Breakdown

8.5.2. India

8.5.2.1. Efficiency Level Breakdown

8.5.2.2. Application Breakdown

8.5.3. Japan

8.5.3.1. Efficiency Level Breakdown

8.5.3.2. Application Breakdown

8.5.4. Australia

8.5.4.1. Efficiency Level Breakdown

8.5.4.2. Application Breakdown

- 8.5.5. South Korea
 - 8.5.5.1. Efficiency Level Breakdown
 - 8.5.5.2. Application Breakdown
- 8.5.6. Rest of Asia Pacific
 - 8.5.6.1. Efficiency Level Breakdown
 - 8.5.6.2. Application Breakdown
- 8.6. Latin America Energy Efficient Motor Market
 - 8.6.1. Brazil
 - 8.6.1.1. Efficiency Level Breakdown
 - 8.6.1.2. Application Breakdown
 - 8.6.2. Mexico
 - 8.6.2.1. Efficiency Level Breakdown
 - 8.6.2.2. Application Breakdown
- 8.7. Middle East & Africa Energy Efficient Motor Market
 - 8.7.1. UAE
 - 8.7.1.1. Efficiency Level Breakdown
 - 8.7.1.2. Application Breakdown
 - 8.7.2. Saudi Arabia
 - 8.7.2.1. Efficiency Level Breakdown
 - 8.7.2.2. Application Breakdown
 - 8.7.3. South Africa
 - 8.7.3.1. Efficiency Level Breakdown
 - 8.7.3.2. Application Breakdown
 - 8.7.4. Rest of Middle East & Africa
 - 8.7.4.1. Efficiency Level Breakdown
 - 8.7.4.2. Application Breakdown

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Siemens AG
 - Company Overview
 - Key Executives
 - Company Snapshot
 - Financial Performance (Subject to Data Availability)
 - Product/Services Port
 - Recent Development
 - Market Strategies
 - SWOT Analysis

- 9.3. ABB Ltd.
- 9.4. Toshiba Corporation
- 9.5. Mitsubishi Electric Corporation
- 9.6. Schneider Electric SE
- 9.7. Nidec Corporation
- 9.8. Regal Rexnord Corporation
- 9.9. WEG Industries
- 9.10. General Electric Company
- 9.11. Hitachi, Ltd.
- 9.12. Bosch Rexroth AG
- 9.13. Danfoss Group
- 9.14. TECO-Westinghouse Motor Company
- 9.15. Brook Crompton Holdings Ltd.
- 9.16. Johnson Electric Holdings Limited

List Of Tables

LIST OF TABLES

- Table 1. Global Energy Efficient Motor Market, Report Scope
- Table 2. Market Estimates & Forecasts By Region 2024–2035
- Table 3. Market Estimates & Forecasts By Efficiency Level 2024–2035
- Table 4. Market Estimates & Forecasts By Application 2024–2035
- Table 5. Market Estimates & Forecasts By End-Use 2024–2035
- Table 6. U.S. Market Estimates & Forecasts, 2024–2035
- Table 7. Canada Market Estimates & Forecasts, 2024–2035
- Table 8. UK Market Estimates & Forecasts, 2024–2035
- Table 9. Germany Market Estimates & Forecasts, 2024–2035
- Table 10. France Market Estimates & Forecasts, 2024–2035
- Table 11. Spain Market Estimates & Forecasts, 2024–2035
- Table 12. Italy Market Estimates & Forecasts, 2024–2035
- Table 13. China Market Estimates & Forecasts, 2024–2035
- Table 14. India Market Estimates & Forecasts, 2024–2035
- Table 15. Japan Market Estimates & Forecasts, 2024–2035
- Table 16. Australia Market Estimates & Forecasts, 2024–2035
- Table 17. South Korea Market Estimates & Forecasts, 2024–2035
- Table 18. Brazil Market Estimates & Forecasts, 2024–2035
- Table 19. Mexico Market Estimates & Forecasts, 2024–2035
- Table 20. UAE Market Estimates & Forecasts, 2024–2035
- Table 21. Saudi Arabia Market Estimates & Forecasts, 2024–2035
- Table 22. South Africa Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Figure 1. Research Methodology
- Figure 2. Market Estimation Techniques
- Figure 3. Global Market Size Estimates & Forecast Methods
- Figure 4. Key Trends 2025
- Figure 5. Growth Prospects 2024–2035
- Figure 6. Porter's Five Forces Model
- Figure 7. PESTEL Analysis
- Figure 8. Value Chain Analysis
- Figure 9. Market By Efficiency Level, 2025 & 2035
- Figure 10. Market By Application, 2025 & 2035
- Figure 11. Market By End-Use, 2025 & 2035
- Figure 12. North America Market, 2025 & 2035
- Figure 13. Europe Market, 2025 & 2035
- Figure 14. Asia Pacific Market, 2025 & 2035
- Figure 15. Latin America Market, 2025 & 2035
- Figure 16. Middle East & Africa Market, 2025 & 2035
- Figure 17. Company Market Share Analysis (2025)

I would like to order

Product name: Global Energy Efficient Motor Market Size Study & Forecast, by Efficiency Level (IE1, IE2, IE3, IE4), by Application (HVAC, Fans, Pumps, Compressors, Others), by End-Use (Industrial, Commercial Building, Residential, Automotive, Others) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/G94361AFC252EN.html>

Price: US\$ 3,750.00 (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/G94361AFC252EN.html>