

Low Voltage Electric Motor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/L146AFA3D3FEN.html>

Date: January 2023

Pages: 200

Price: US\$ 2,499.00 (Single User License)

ID: L146AFA3D3FEN

Abstracts

The global low voltage electric motor market size reached US\$ 14.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 18.5 Billion by 2028, exhibiting a growth rate (CAGR) of 4.6% during 2023-2028.

Low-voltage electric motors refer to motors which utilise voltage less than 1000V. The main characteristics of these motors include improved quality and productivity, positive energy balance and high safety standards. Owing to this, low-voltage electric motors are installed in lifts, compressors, fans, chillers, air-handling units and pumps. In addition, they find applications in diverse industries such as food and beverage, automotive, packaging, mining, oil and gas, etc.

Increasing industrialization across the globe is fuelling the growth of the automation industry. This has created a huge demand for low-voltage electric motors so as to minimize the additional cost of production. Moreover, a shift in consumer preference from low-efficiency motors to high-efficiency and energy-saving motors has propelled the demand for low-voltage motors. Further, a surge in construction and renovation of residential spaces worldwide is expected to influence the market growth in the upcoming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global low voltage electric motor market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on efficiency, end-use industry and application.

Breakup by Efficiency:

- Standard Efficiency
- High Efficiency
- Premium Efficiency
- Super Premium Efficiency

Based on efficiency, the market has been segmented into standard, high, premium and super premium efficiency. Currently, high efficiency low-voltage electric motors dominate the market, holding the largest share.

Breakup by End-Use Industry:

- Commercial HVAC Industry
- Food, Beverage and Tobacco Industry
- Mining Industry
- Utilities
- Others

On the basis of end-use industry, commercial HVAC represents the largest segment.

Breakup by Application:

- Pumps and Fans
- Compressors
- Others

The market has also been segregated on the basis of application into pumps and fans, and compressors. Amongst these, pumps and fans hold the majority of the total market.

Breakup by Region:

- North and South America
- Europe, Middle East and Africa
- China
- Others

Region-wise, Europe, Middle East and Africa is the leading market, accounting for the largest share globally. Other major markets include North and South America, and

China.

Competitive Landscape:

The competitive landscape of the market has also been examined with some of the key players being ABB, Siemens, WEG, TECO E&M, Regal Beloit, Leroy-Somer, Shandong Huali, Hyundai Heavy Industries, Hyosung Corporation and NIDEC.

This report provides a deep insight into the global low-voltage electric motor industry covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. The report also provides a comprehensive analysis for setting up a low-voltage electric motor manufacturing plant. The study analyses the processing and manufacturing requirements, project cost, project funding, project economics, expected returns on investment, profit margins, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the low-voltage electric motor industry in any manner.

Key Questions Answered in This Report:

How has the global low-voltage electric motor market performed so far and how will it perform in the coming years?

What are the key regional markets in the global low-voltage electric motor industry?

What has been the impact of COVID-19 on the global low-voltage electric motor industry?

What are the major application segments in the global low-voltage electric motor industry?

What are the key end-use segment in the global low-voltage electric motor industry?

What are the key efficiency segments in the global low-voltage electric motor industry?

What are the various stages in the value chain of the global low-voltage electric motor industry?

What are the key driving factors and challenges in the global low-voltage electric motor industry?

What is the structure of the global low-voltage electric motor industry and who are the key players?

What is the degree of competition in the global low-voltage electric motor industry?

What are the profit margins in the global low-voltage electric motor industry?

What are the key requirements for setting up a low-voltage electric motor manufacturing plant?

How is low-voltage electric motor manufactured?

- What are the various unit operations involved in a low-voltage electric motor manufacturing plant?
- What is the total size of land required for setting up a low-voltage electric motor manufacturing plant?
- What are the machinery requirements for setting up a low-voltage electric motor manufacturing plant?
- What are the raw material requirements for setting up a low-voltage electric motor manufacturing plant?
- What are the packaging requirements for low-voltage electric motor?
- What are the transportation requirements for low-voltage electric motor?
- What are the utility requirements for setting up a low-voltage electric motor manufacturing plant?
- What are the manpower requirements for setting up a low-voltage electric motor manufacturing plant?
- What are the infrastructure costs for setting up a low-voltage electric motor manufacturing plant?
- What are the capital costs for setting up a low-voltage electric motor manufacturing plant?
- What are the operating costs for setting up a low-voltage electric motor manufacturing plant?
- What will be the income and expenditures for a low-voltage electric motor manufacturing plant?
- What is the time required to break-even?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ELECTRIC MOTOR INDUSTRY

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Market Breakup by Region
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by Application
- 5.6 Market Forecast

6 GLOBAL LOW VOLTAGE ELECTRIC MOTOR INDUSTRY

- 6.1 Market Overview
- 6.2 Market Performance
- 6.3 Impact of COVID-19
- 6.4 Market Breakup by Region
- 6.5 Market Breakup by Power Ratings

- 6.6 Market Breakup by Efficiency
- 6.7 Market Breakup by End-Use Industry
- 6.8 Market Breakup by Application
- 6.9 Market Forecast
- 6.10 Key Market Drivers and Success Factors

7 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: PERFORMANCE OF KEY REGIONS

- 7.1 North and South America
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Europe, Middle East and Africa
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 China
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: BREAKUP BY EFFICIENCY

- 8.1 Standard Efficiency
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 High Efficiency
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Premium Efficiency
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Super Premium Efficiency
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast

9 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: BREAKUP BY END-USE

INDUSTRY

9.1 Commercial HVAC Industry

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Food, Beverage and Tobacco Industry

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Mining Industry

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Utilities

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: BREAKUP BY APPLICATION

10.1 Pumps and Fans

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Compressors

10.2.1 Market Trends

10.2.2 Market Forecast

10.3 Other Applications

10.3.1 Market Trends

10.3.2 Market Forecast

11 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: COMPETITIVE LANDSCAPE

11.1 Market Structure

11.2 Market Share of Key Players

12 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: SWOT ANALYSIS

- 12.1 Overview
- 12.2 Strengths
- 12.3 Weaknesses
- 12.4 Opportunities
- 12.5 Threats

13 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: VALUE CHAIN ANALYSIS

14 GLOBAL LOW VOLTAGE ELECTRIC MOTOR MARKET: PORTER'S FIVE FORCES ANALYSIS

- 14.1 Overview
- 14.2 Bargaining Power of Buyers
- 14.3 Bargaining Power of Suppliers
- 14.4 Degree of Competition
- 14.5 Threat of New Entrants
- 14.6 Threat of Substitutes

15 LOW VOLTAGE ELECTRIC MOTOR MANUFACTURING PROCESS

- 15.1 Product Overview
- 15.2 Detailed Process Flow
- 15.3 Various Types of Unit Operations Involved
- 15.4 Mass Balance and Raw Material Requirements

16 PROJECT DETAILS, REQUIREMENTS AND COSTS INVOLVED

- 16.1 Land Requirements and Expenditures
- 16.2 Construction Requirements and Expenditures
- 16.3 Plant Layout
- 16.4 Plant Machinery
- 16.5 Raw Material Requirements and Expenditures
- 16.6 Packaging Requirements and Expenditures
- 16.7 Transportation Requirements and Expenditures
- 16.8 Utility Requirements and Expenditures
- 16.9 Manpower Requirements and Expenditures
- 16.10 Other Capital Investments

17 LOANS AND FINANCIAL ASSISTANCE

18 PROJECT ECONOMICS

- 18.1 Capital Cost of the Project
- 18.2 Techno-Economic Parameters
- 18.3 Product Pricing and Margins Across Various Levels of the Supply Chain
- 18.4 Taxation and Depreciation
- 18.5 Income Projections
- 18.6 Expenditure Projections
- 18.7 Financial Analysis
- 18.8 Profit Analysis

19 KEY PLAYER PROFILES

- 19.1 ABB
- 19.2 Siemens
- 19.3 WEG
- 19.4 TECO E&M
- 19.5 Regal Beloit
- 19.6 Leroy-Somer
- 19.7 Shandong Huali
- 19.8 Hyundai Heavy Industries
- 19.9 Hyosung Corporation

19. 10 NIDEC

List Of Tables

LIST OF TABLES

Table 1: Global: Electric Motor Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Low Voltage Electric Motor Market: Key Industry Highlights, 2022 and 2028

Table 3: Global: Low Voltage Electric Motor Market Forecast: Breakup by Region (in Billion US\$), 2023-2028

Table 4: Global: Low Voltage Electric Motor Market Forecast: Breakup by Power Ratings (in Billion US\$), 2023-2028

Table 5: Global: Low Voltage Electric Motor Market Forecast: Breakup by Efficiency (in Billion US\$), 2023-2028

Table 6: Global: Low Voltage Electric Motor Market Forecast: Breakup by End-Use Industry (in Billion US\$), 2023-2028

Table 7: Global: Low Voltage Electric Motor Market Forecast: Breakup by Application (in Billion US\$), 2023-2028

Table 8: Global: Low Voltage Electric Motor Market: Competitive Structure

Table 9: Global: Low Voltage Electric Motor Market: Key Players

Table 10: Electric Motors Manufacturing Plant: Costs Related to Land and Site Development (in US\$)

Table 11: Electric Motors Manufacturing Plant: Costs Related to Civil Works (in US\$)

Table 12: Electric Motors Manufacturing Plant: Proposed Plant Layout

Table 13: Electric Motors Manufacturing Plant: Machinery Costs (in US\$)

Table 14: Electric Motors Manufacturing Plant: Raw Material Requirements (in Units/Day)

Table 15: Electric Motors Manufacturing Plant: Costs Related to Salaries and Wages (in US\$)

Table 16: Electric Motors Manufacturing Plant: Costs Related to Other Capital Investments (in US\$)

Table 17: Electric Motors Manufacturing Plant: Breakup of Capital Costs (in %)

Table 18: Electric Motor Manufacturing Plant: Breakup of Profit Margins at Various Level of the Supply Chain

Table 19: Electric Motors Manufacturing Plant: Breakup of Production Costs (in %)

Table 20: Details of Financial Assistance Offered by Financial Institutions

Table 21: Electric Motors Manufacturing Plant: Capital Costs (in US\$)

Table 22: Electric Motors Manufacturing Plant: Techno-Economic Parameters

Table 23: Electric Motor Manufacturing Plant: Taxation (in US\$)

Table 24: Electric Motor Manufacturing Plant: Depreciation (in US\$)

Table 25: Electric Motor Manufacturing Plant: Income Projections (in US\$)

Table 26: Electric Motor Manufacturing Plant: Expenditure Projections (in US\$)

Table 27: Electric Motor Manufacturing Plant: Cash Flow Analysis Without Considering the Income Tax Liability

Table 28: Electric Motor Manufacturing Plant: Cash Flow Analysis on Considering the Income Tax Liability

Table 29: Electric Motor Manufacturing Plant: Profitability Analysis

List Of Figures

LIST OF FIGURES

Figure 1: Global: Low Voltage Electric Motor Market: Major Drivers and Challenges

Figure 2: Global: Electric Motors Market (in Billion US\$), 2017-2022

Figure 3: Global: Electric Motors Market: Breakup by Region (in %), 2022

Figure 4: Global: Electric Motors Market: Breakup by Product Type (in %), 2022

Figure 5: Global: Electric Motors Market: Breakup by Application (in %), 2022

Figure 6: Global: Electric Motors Market Forecast (in Billion US\$), 2023-2028

Figure 7: Global: Low Voltage Electric Motor Market (in Billion US\$), 2017-2022

Figure 8: Global: Low Voltage Electric Motor Market: Breakup by Region (% by Revenues), 2022

Figure 9: Global: Low Voltage Electric Motor Market: Breakup by Power Ratings (% by Revenues), 2022

Figure 10: Global: Low Voltage Electric Motor Market: Breakup by Efficiency (% by Revenues), 2022

Figure 11: Global: Low Voltage Electric Motor Market: Breakup by End-Use Industry (% by Revenues), 2022

Figure 12: Global: Low Voltage Electric Motor Market: Breakup by Application (% by Revenues), 2022

Figure 13: Global: Low Voltage Electric Motor Market Forecast (in Billion US\$), 2023-2028

Figure 14: Global: Low Voltage Electric Motor Industry: SWOT Analysis

Figure 15: Global: Low Voltage Electric Motor Industry: Value Chain Analysis

Figure 16: Global: Low Voltage Electric Motor Industry: Porter's Five Forces Analysis

Figure 17: North and South America: Low Voltage Electric Motor Market (in Billion US\$), 2017 & 2022

Figure 18: North and South America: Low Voltage Electric Motor Market Forecast (in Billion US\$), 2023-2028

Figure 19: Europe, Middle East and Africa: Low Voltage Electric Motor Market (in Billion US\$), 2017 & 2022

Figure 20: Europe, Middle East and Africa: Low Voltage Electric Motor Market Forecast (in Billion US\$), 2023-2028

Figure 21: China: Low Voltage Electric Motor Market (in Billion US\$), 2017 & 2022

Figure 22: China: Low Voltage Electric Motor Market Forecast (in Billion US\$), 2023-2028

Figure 23: Others: Low Voltage Electric Motor Market (in Billion US\$), 2017 & 2022

Figure 24: Others: Low Voltage Electric Motor Market Forecast (in Billion US\$),

2023-2028

Figure 25: Global: Low Voltage Electric Motor Market: Breakup by Efficiency: Standard Efficiency Electric Motors (in Billion US\$), 2017 & 2022

Figure 26: Global: Low Voltage Electric Motor Market Forecast: Breakup by Efficiency: Standard Efficiency Electric Motors (in Billion US\$), 2023-2028

Figure 27: Global: Low Voltage Electric Motor Market: Breakup by Efficiency: High Efficiency Electric Motors (in Billion US\$), 2017 & 2022

Figure 28: Global: Low Voltage Electric Motor Market Forecast: Breakup by Efficiency: High Efficiency Electric Motors (in Billion US\$), 2023-2028

Figure 29: Global: Low Voltage Electric Motor Market: Breakup by Efficiency: Premium Efficiency Electric Motors (in Billion US\$), 2017 & 2022

Figure 30: Global: Low Voltage Electric Motor Market Forecast: Breakup by Efficiency: Premium Efficiency Electric Motors (in Billion US\$), 2023-2028

Figure 31: Global: Low Voltage Electric Motor Market: Breakup by Efficiency: Super Premium Efficiency Electric Motors (in Billion US\$), 2017 & 2022

Figure 32: Global: Low Voltage Electric Motor Market Forecast: Breakup by Efficiency: Super Premium Efficiency Electric Motors (in Billion US\$), 2023-2028

Figure 33: Global: Low Voltage Electric Motor Market: Commercial HVAC Industry (in Billion US\$), 2017 & 2022

Figure 34: Global: Low Voltage Electric Motor Market Forecast: Commercial HVAC Industry (in Billion US\$), 2023-2028

Figure 35: Global: Low Voltage Electric Motor Market: Food, Beverage and Tobacco Industry (in Billion US\$), 2017 & 2022

Figure 36: Global: Low Voltage Electric Motor Market Forecast: Food, Beverage and Tobacco Industry (in Billion US\$), 2023-2028

Figure 37: Global: Low Voltage Electric Motor Market: Mining Industry (in Billion US\$), 2017 & 2022

Figure 38: Global: Low Voltage Electric Motor Market Forecast: Mining Industry (in Billion US\$), 2023-2028

Figure 39: Global: Low Voltage Electric Motor Market: Utilities (in Billion US\$), 2017 & 2022

Figure 40: Global: Low Voltage Electric Motor Market Forecast: Utilities (in Billion US\$), 2023-2028

Figure 41: Global: Low Voltage Electric Motor Market: Other End-Use Industries (in Billion US\$), 2017 & 2022

Figure 42: Global: Low Voltage Electric Motor Market Forecast: Other End-Use Industries (in Billion US\$), 2023-2028

Figure 43: Global: Low Voltage Electric Motor Market: Pumps and Fans (in Billion US\$), 2017 & 2022

Figure 44: Global: Low Voltage Electric Motor Market Forecast: Pumps and Fans (in Billion US\$), 2023-2028

Figure 45: Global: Low Voltage Electric Motor Market: Compressors (in Billion US\$), 2017 & 2022

Figure 46: Global: Low Voltage Electric Motor Market Forecast: Compressors (in Billion US\$), 2023-2028

Figure 47: Global: Low Voltage Electric Motor Market: Other Applications (in Billion US\$), 2017 & 2022

Figure 48: Global: Low Voltage Electric Motor Market Forecast: Other Applications (in Billion US\$), 2023-2028

Figure 49: Electric Motor: Major Parts and Assembly Line Operations

Figure 50: Electric Motor Assembling: Various Types of Unit Operations Involved

Figure 51: AC Squirrel Cage Induction Motor Manufacturing Process: Conversion Rate of Products

Figure 52: DC Brushless Motor Manufacturing Process: Conversion Rate of Products

Figure 53: Interior Permanent Magnet Motor Manufacturing Process: Conversion Rate of Products

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