

# Global Cast Aluminum Rotor Asynchronous Motor Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Cast Aluminum Rotor Asynchronous Motor market size is expected to reach \$ 236 million by 2032, rising at a market growth of 4.3% CAGR during the forecast period (2026-2032).

In 2025, the production volume of cast aluminum rotor asynchronous motors is projected to reach 238,700 units, with an average selling price of \$720 per unit. The global annual production capacity for cast aluminum rotor asynchronous motors stands at approximately 400,000 units, with a gross margin of approximately 32.6%. A cast aluminum rotor asynchronous motor refers to a variant of the asynchronous motor—typically a three-phase asynchronous motor—that utilizes a cast aluminum alloy rotor as its rotating component. While cast aluminum rotors offer advantages in terms of lightweight design and cost-effectiveness under specific operating conditions, their design and manufacturing processes require careful consideration of material characteristics and thermo-mechanical properties. The upstream supply chain for cast aluminum rotor asynchronous motors comprises raw materials such as cast aluminum rotors, steel, surface treatment agents, and coating materials. The midstream segment consists of the manufacturers of these motors, while the downstream market is primarily concentrated in industries such as chemicals, electric power, and automotive manufacturing.

The market for cast-aluminum rotor asynchronous motors is currently exhibiting a trend of steady growth, with market size continuously expanding, driven by downstream demand from sectors such as new energy vehicles, industrial automation, and power industry upgrades. In the new energy vehicle sector, asynchronous motors have emerged as a key choice for dual-motor powertrain configurations in mid-to-high-end models, owing to their superior high-speed performance capabilities; this, in turn, is

driving increased demand for cast-aluminum rotors. In the industrial sector, cast-aluminum rotor asynchronous motors are widely utilized in general-purpose machinery—such as machine tools, water pumps, and fans—as well as in specialized equipment, leveraging advantages such as simple structure, reliable operation, and low cost; consequently, their market penetration rate continues to rise year after year. Concurrently, global energy-saving policies are fostering the widespread adoption of high-efficiency, energy-saving motors, thereby providing further impetus to market growth. Nevertheless, the market faces challenges such as fluctuating raw material prices, technological barriers, and competitive pressure from alternative technologies—particularly permanent magnet synchronous motors; yet, cast-aluminum rotor asynchronous motors continue to maintain an irreplaceable position within the realm of medium-to-high-power general-purpose drive applications.

This report studies the global Cast Aluminum Rotor Asynchronous Motor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cast Aluminum Rotor Asynchronous Motor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cast Aluminum Rotor Asynchronous Motor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cast Aluminum Rotor Asynchronous Motor total production and demand, 2021-2032, (K Units)

Global Cast Aluminum Rotor Asynchronous Motor total production value, 2021-2032, (USD Million)

Global Cast Aluminum Rotor Asynchronous Motor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Cast Aluminum Rotor Asynchronous Motor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Cast Aluminum Rotor Asynchronous Motor domestic production, consumption, key domestic manufacturers and share

Global Cast Aluminum Rotor Asynchronous Motor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Cast Aluminum Rotor Asynchronous Motor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Cast Aluminum Rotor Asynchronous Motor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Cast Aluminum Rotor Asynchronous Motor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, Toshiba, Regal Rexnord, Siemens, TECO, WOLONG, Enpower, INOVANCE Automotive, HENGDA MOTOR, SEC Electric Machinery, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cast Aluminum Rotor Asynchronous Motor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Cast Aluminum Rotor Asynchronous Motor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Cast Aluminum Rotor Asynchronous Motor Market, Segmentation by Type:

Single-Phase Asynchronous Motor

Three-Phase Asynchronous Motor

Global Cast Aluminum Rotor Asynchronous Motor Market, Segmentation by Shell Structure and Protection Level:

Enclosed

Protective

Sealed

Global Cast Aluminum Rotor Asynchronous Motor Market, Segmentation by Energy Efficiency Rating:

IE1

IE2

IE3

IE4

Global Cast Aluminum Rotor Asynchronous Motor Market, Segmentation by Working System:

Continuous

Short-Term

## Global Cast Aluminum Rotor Asynchronous Motor Market, Segmentation by Application:

Chemical

Power

Automotive

Others

## Companies Profiled:

ABB

Toshiba

Regal Rexnord

Siemens

TECO

WOLONG

Enpower

INOVANCE Automotive

HENGDA MOTOR

SEC Electric Machinery

Xinzhi Group

## Key Questions Answered:

1. How big is the global Cast Aluminum Rotor Asynchronous Motor market?
2. What is the demand of the global Cast Aluminum Rotor Asynchronous Motor market?
3. What is the year over year growth of the global Cast Aluminum Rotor Asynchronous Motor market?
4. What is the production and production value of the global Cast Aluminum Rotor Asynchronous Motor market?
5. Who are the key producers in the global Cast Aluminum Rotor Asynchronous Motor market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Cast Aluminum Rotor Asynchronous Motor Introduction
- 1.2 World Cast Aluminum Rotor Asynchronous Motor Supply & Forecast
  - 1.2.1 World Cast Aluminum Rotor Asynchronous Motor Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Cast Aluminum Rotor Asynchronous Motor Production (2021-2032)
  - 1.2.3 World Cast Aluminum Rotor Asynchronous Motor Pricing Trends (2021-2032)
- 1.3 World Cast Aluminum Rotor Asynchronous Motor Production by Region (Based on Production Site)
  - 1.3.1 World Cast Aluminum Rotor Asynchronous Motor Production Value by Region (2021-2032)
  - 1.3.2 World Cast Aluminum Rotor Asynchronous Motor Production by Region (2021-2032)
  - 1.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Region (2021-2032)
  - 1.3.4 North America Cast Aluminum Rotor Asynchronous Motor Production (2021-2032)
  - 1.3.5 Europe Cast Aluminum Rotor Asynchronous Motor Production (2021-2032)
  - 1.3.6 China Cast Aluminum Rotor Asynchronous Motor Production (2021-2032)
  - 1.3.7 Japan Cast Aluminum Rotor Asynchronous Motor Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Cast Aluminum Rotor Asynchronous Motor Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Cast Aluminum Rotor Asynchronous Motor Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Cast Aluminum Rotor Asynchronous Motor Demand (2021-2032)
- 2.2 World Cast Aluminum Rotor Asynchronous Motor Consumption by Region
  - 2.2.1 World Cast Aluminum Rotor Asynchronous Motor Consumption by Region (2021-2026)
  - 2.2.2 World Cast Aluminum Rotor Asynchronous Motor Consumption Forecast by Region (2027-2032)
- 2.3 United States Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)
- 2.4 China Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)
- 2.5 Europe Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)

- 2.6 Japan Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)
- 2.7 South Korea Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)
- 2.8 ASEAN Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)
- 2.9 India Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Cast Aluminum Rotor Asynchronous Motor Production Value by Manufacturer (2021-2026)
- 3.2 World Cast Aluminum Rotor Asynchronous Motor Production by Manufacturer (2021-2026)
- 3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Manufacturer (2021-2026)
- 3.4 Cast Aluminum Rotor Asynchronous Motor Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Cast Aluminum Rotor Asynchronous Motor Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Cast Aluminum Rotor Asynchronous Motor in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Cast Aluminum Rotor Asynchronous Motor in 2025
- 3.6 Cast Aluminum Rotor Asynchronous Motor Market: Overall Company Footprint Analysis
  - 3.6.1 Cast Aluminum Rotor Asynchronous Motor Market: Region Footprint
  - 3.6.2 Cast Aluminum Rotor Asynchronous Motor Market: Company Product Type Footprint
  - 3.6.3 Cast Aluminum Rotor Asynchronous Motor Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Value Comparison

- 4.1.1 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Value Comparison (2021 & 2025 & 2032)
- 4.1.2 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Comparison
  - 4.2.1 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Cast Aluminum Rotor Asynchronous Motor Consumption Comparison
  - 4.3.1 United States VS China: Cast Aluminum Rotor Asynchronous Motor Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: Cast Aluminum Rotor Asynchronous Motor Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Cast Aluminum Rotor Asynchronous Motor Manufacturers and Market Share, 2021-2026
  - 4.4.1 United States Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (States, Country)
  - 4.4.2 United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value (2021-2026)
  - 4.4.3 United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production (2021-2026)
- 4.5 China Based Cast Aluminum Rotor Asynchronous Motor Manufacturers and Market Share
  - 4.5.1 China Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (Province, Country)
  - 4.5.2 China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value (2021-2026)
  - 4.5.3 China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production (2021-2026)
- 4.6 Rest of World Based Cast Aluminum Rotor Asynchronous Motor Manufacturers and Market Share, 2021-2026
  - 4.6.1 Rest of World Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (State, Country)
  - 4.6.2 Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value (2021-2026)
  - 4.6.3 Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor

Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Cast Aluminum Rotor Asynchronous Motor Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Single-Phase Asynchronous Motor

5.2.2 Three-Phase Asynchronous Motor

5.3 Market Segment by Type

5.3.1 World Cast Aluminum Rotor Asynchronous Motor Production by Type (2021-2032)

5.3.2 World Cast Aluminum Rotor Asynchronous Motor Production Value by Type (2021-2032)

5.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY SHELL STRUCTURE AND PROTECTION LEVEL**

6.1 World Cast Aluminum Rotor Asynchronous Motor Market Size Overview by Shell Structure and Protection Level: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Shell Structure and Protection Level

6.2.1 Enclosed

6.2.2 Protective

6.2.3 Sealed

6.3 Market Segment by Shell Structure and Protection Level

6.3.1 World Cast Aluminum Rotor Asynchronous Motor Production by Shell Structure and Protection Level (2021-2032)

6.3.2 World Cast Aluminum Rotor Asynchronous Motor Production Value by Shell Structure and Protection Level (2021-2032)

6.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Shell Structure and Protection Level (2021-2032)

## **7 MARKET ANALYSIS BY ENERGY EFFICIENCY RATING**

7.1 World Cast Aluminum Rotor Asynchronous Motor Market Size Overview by Energy Efficiency Rating: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Energy Efficiency Rating

7.2.1 IE1

7.2.2 IE2

7.2.3 IE3

7.2.4 IE4

7.3 Market Segment by Energy Efficiency Rating

7.3.1 World Cast Aluminum Rotor Asynchronous Motor Production by Energy Efficiency Rating (2021-2032)

7.3.2 World Cast Aluminum Rotor Asynchronous Motor Production Value by Energy Efficiency Rating (2021-2032)

7.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Energy Efficiency Rating (2021-2032)

## **8 MARKET ANALYSIS BY WORKING SYSTEM**

8.1 World Cast Aluminum Rotor Asynchronous Motor Market Size Overview by Working System: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Working System

8.2.1 Continuous

8.2.2 Short-Term

8.3 Market Segment by Working System

8.3.1 World Cast Aluminum Rotor Asynchronous Motor Production by Working System (2021-2032)

8.3.2 World Cast Aluminum Rotor Asynchronous Motor Production Value by Working System (2021-2032)

8.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Working System (2021-2032)

## **9 MARKET ANALYSIS BY APPLICATION**

9.1 World Cast Aluminum Rotor Asynchronous Motor Market Size Overview by Application: 2021 VS 2025 VS 2032

9.2 Segment Introduction by Application

9.2.1 Chemical

9.2.2 Power

9.2.3 Automotive

9.2.4 Others

9.3 Market Segment by Application

9.3.1 World Cast Aluminum Rotor Asynchronous Motor Production by Application (2021-2032)

9.3.2 World Cast Aluminum Rotor Asynchronous Motor Production Value by

Application (2021-2032)

9.3.3 World Cast Aluminum Rotor Asynchronous Motor Average Price by Application (2021-2032)

## **10 COMPANY PROFILES**

### 10.1 ABB

10.1.1 ABB Details

10.1.2 ABB Major Business

10.1.3 ABB Cast Aluminum Rotor Asynchronous Motor Product and Services

10.1.4 ABB Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.1.5 ABB Recent Developments/Updates

10.1.6 ABB Competitive Strengths & Weaknesses

### 10.2 Toshiba

10.2.1 Toshiba Details

10.2.2 Toshiba Major Business

10.2.3 Toshiba Cast Aluminum Rotor Asynchronous Motor Product and Services

10.2.4 Toshiba Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.2.5 Toshiba Recent Developments/Updates

10.2.6 Toshiba Competitive Strengths & Weaknesses

### 10.3 Regal Rexnord

10.3.1 Regal Rexnord Details

10.3.2 Regal Rexnord Major Business

10.3.3 Regal Rexnord Cast Aluminum Rotor Asynchronous Motor Product and Services

10.3.4 Regal Rexnord Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.3.5 Regal Rexnord Recent Developments/Updates

10.3.6 Regal Rexnord Competitive Strengths & Weaknesses

### 10.4 Siemens

10.4.1 Siemens Details

10.4.2 Siemens Major Business

10.4.3 Siemens Cast Aluminum Rotor Asynchronous Motor Product and Services

10.4.4 Siemens Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.4.5 Siemens Recent Developments/Updates

10.4.6 Siemens Competitive Strengths & Weaknesses

## 10.5 TECO

### 10.5.1 TECO Details

### 10.5.2 TECO Major Business

### 10.5.3 TECO Cast Aluminum Rotor Asynchronous Motor Product and Services

### 10.5.4 TECO Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 10.5.5 TECO Recent Developments/Updates

### 10.5.6 TECO Competitive Strengths & Weaknesses

## 10.6 WOLONG

### 10.6.1 WOLONG Details

### 10.6.2 WOLONG Major Business

### 10.6.3 WOLONG Cast Aluminum Rotor Asynchronous Motor Product and Services

### 10.6.4 WOLONG Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 10.6.5 WOLONG Recent Developments/Updates

### 10.6.6 WOLONG Competitive Strengths & Weaknesses

## 10.7 Enpower

### 10.7.1 Enpower Details

### 10.7.2 Enpower Major Business

### 10.7.3 Enpower Cast Aluminum Rotor Asynchronous Motor Product and Services

### 10.7.4 Enpower Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 10.7.5 Enpower Recent Developments/Updates

### 10.7.6 Enpower Competitive Strengths & Weaknesses

## 10.8 INOVANCE Automotive

### 10.8.1 INOVANCE Automotive Details

### 10.8.2 INOVANCE Automotive Major Business

### 10.8.3 INOVANCE Automotive Cast Aluminum Rotor Asynchronous Motor Product and Services

### 10.8.4 INOVANCE Automotive Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 10.8.5 INOVANCE Automotive Recent Developments/Updates

### 10.8.6 INOVANCE Automotive Competitive Strengths & Weaknesses

## 10.9 HENGDA MOTOR

### 10.9.1 HENGDA MOTOR Details

### 10.9.2 HENGDA MOTOR Major Business

### 10.9.3 HENGDA MOTOR Cast Aluminum Rotor Asynchronous Motor Product and Services

### 10.9.4 HENGDA MOTOR Cast Aluminum Rotor Asynchronous Motor Production,

Price, Value, Gross Margin and Market Share (2021-2026)

10.9.5 HENGDA MOTOR Recent Developments/Updates

10.9.6 HENGDA MOTOR Competitive Strengths & Weaknesses

10.10 SEC Electric Machinery

10.10.1 SEC Electric Machinery Details

10.10.2 SEC Electric Machinery Major Business

10.10.3 SEC Electric Machinery Cast Aluminum Rotor Asynchronous Motor Product and Services

10.10.4 SEC Electric Machinery Cast Aluminum Rotor Asynchronous Motor

Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.10.5 SEC Electric Machinery Recent Developments/Updates

10.10.6 SEC Electric Machinery Competitive Strengths & Weaknesses

10.11 Xinzhi Group

10.11.1 Xinzhi Group Details

10.11.2 Xinzhi Group Major Business

10.11.3 Xinzhi Group Cast Aluminum Rotor Asynchronous Motor Product and Services

10.11.4 Xinzhi Group Cast Aluminum Rotor Asynchronous Motor Production, Price, Value, Gross Margin and Market Share (2021-2026)

10.11.5 Xinzhi Group Recent Developments/Updates

10.11.6 Xinzhi Group Competitive Strengths & Weaknesses

## **11 INDUSTRY CHAIN ANALYSIS**

11.1 Cast Aluminum Rotor Asynchronous Motor Industry Chain

11.2 Cast Aluminum Rotor Asynchronous Motor Upstream Analysis

11.2.1 Cast Aluminum Rotor Asynchronous Motor Core Raw Materials

11.2.2 Main Manufacturers of Cast Aluminum Rotor Asynchronous Motor Core Raw Materials

11.3 Midstream Analysis

11.4 Downstream Analysis

11.5 Cast Aluminum Rotor Asynchronous Motor Production Mode

11.6 Cast Aluminum Rotor Asynchronous Motor Procurement Model

11.7 Cast Aluminum Rotor Asynchronous Motor Industry Sales Model and Sales Channels

11.7.1 Cast Aluminum Rotor Asynchronous Motor Sales Model

11.7.2 Cast Aluminum Rotor Asynchronous Motor Typical Distributors

## **12 RESEARCH FINDINGS AND CONCLUSION**

## **13 APPENDIX**

13.1 Methodology

13.2 Research Process and Data Source

13.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Cast Aluminum Rotor Asynchronous Motor Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Cast Aluminum Rotor Asynchronous Motor Production Value by Region (2021-2026) & (USD Million)

Table 3. World Cast Aluminum Rotor Asynchronous Motor Production Value by Region (2027-2032) & (USD Million)

Table 4. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Region (2021-2026)

Table 5. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Region (2027-2032)

Table 6. World Cast Aluminum Rotor Asynchronous Motor Production by Region (2021-2026) & (K Units)

Table 7. World Cast Aluminum Rotor Asynchronous Motor Production by Region (2027-2032) & (K Units)

Table 8. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Region (2021-2026)

Table 9. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Region (2027-2032)

Table 10. World Cast Aluminum Rotor Asynchronous Motor Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Cast Aluminum Rotor Asynchronous Motor Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Cast Aluminum Rotor Asynchronous Motor Major Market Trends

Table 13. World Cast Aluminum Rotor Asynchronous Motor Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Cast Aluminum Rotor Asynchronous Motor Consumption by Region (2021-2026) & (K Units)

Table 15. World Cast Aluminum Rotor Asynchronous Motor Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Cast Aluminum Rotor Asynchronous Motor Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Cast Aluminum Rotor Asynchronous Motor Producers in 2025

Table 18. World Cast Aluminum Rotor Asynchronous Motor Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Cast Aluminum Rotor Asynchronous Motor Producers in 2025

Table 20. World Cast Aluminum Rotor Asynchronous Motor Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Cast Aluminum Rotor Asynchronous Motor Company Evaluation Quadrant

Table 22. World Cast Aluminum Rotor Asynchronous Motor Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Cast Aluminum Rotor Asynchronous Motor Production Site of Key Manufacturer

Table 24. Cast Aluminum Rotor Asynchronous Motor Market: Company Product Type Footprint

Table 25. Cast Aluminum Rotor Asynchronous Motor Market: Company Product Application Footprint

Table 26. Cast Aluminum Rotor Asynchronous Motor Competitive Factors

Table 27. Cast Aluminum Rotor Asynchronous Motor New Entrant and Capacity Expansion Plans

Table 28. Cast Aluminum Rotor Asynchronous Motor Mergers & Acquisitions Activity

Table 29. United States VS China Cast Aluminum Rotor Asynchronous Motor Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Cast Aluminum Rotor Asynchronous Motor Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Cast Aluminum Rotor Asynchronous Motor Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share (2021-2026)

Table 37. China Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share (2021-2026)

Table 42. Rest of World Based Cast Aluminum Rotor Asynchronous Motor Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share (2021-2026)

Table 47. World Cast Aluminum Rotor Asynchronous Motor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Cast Aluminum Rotor Asynchronous Motor Production by Type (2021-2026) & (K Units)

Table 49. World Cast Aluminum Rotor Asynchronous Motor Production by Type (2027-2032) & (K Units)

Table 50. World Cast Aluminum Rotor Asynchronous Motor Production Value by Type (2021-2026) & (USD Million)

Table 51. World Cast Aluminum Rotor Asynchronous Motor Production Value by Type (2027-2032) & (USD Million)

Table 52. World Cast Aluminum Rotor Asynchronous Motor Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Cast Aluminum Rotor Asynchronous Motor Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Cast Aluminum Rotor Asynchronous Motor Production Value by Shell Structure and Protection Level, (USD Million), 2021 & 2025 & 2032

Table 55. World Cast Aluminum Rotor Asynchronous Motor Production by Shell Structure and Protection Level (2021-2026) & (K Units)

Table 56. World Cast Aluminum Rotor Asynchronous Motor Production by Shell Structure and Protection Level (2027-2032) & (K Units)

Table 57. World Cast Aluminum Rotor Asynchronous Motor Production Value by Shell Structure and Protection Level (2021-2026) & (USD Million)

Table 58. World Cast Aluminum Rotor Asynchronous Motor Production Value by Shell Structure and Protection Level (2027-2032) & (USD Million)

Table 59. World Cast Aluminum Rotor Asynchronous Motor Average Price by Shell Structure and Protection Level (2021-2026) & (US\$/Unit)

Table 60. World Cast Aluminum Rotor Asynchronous Motor Average Price by Shell Structure and Protection Level (2027-2032) & (US\$/Unit)

Table 61. World Cast Aluminum Rotor Asynchronous Motor Production Value by Energy Efficiency Rating, (USD Million), 2021 & 2025 & 2032

Table 62. World Cast Aluminum Rotor Asynchronous Motor Production by Energy Efficiency Rating (2021-2026) & (K Units)

Table 63. World Cast Aluminum Rotor Asynchronous Motor Production by Energy Efficiency Rating (2027-2032) & (K Units)

Table 64. World Cast Aluminum Rotor Asynchronous Motor Production Value by Energy Efficiency Rating (2021-2026) & (USD Million)

Table 65. World Cast Aluminum Rotor Asynchronous Motor Production Value by Energy Efficiency Rating (2027-2032) & (USD Million)

Table 66. World Cast Aluminum Rotor Asynchronous Motor Average Price by Energy Efficiency Rating (2021-2026) & (US\$/Unit)

Table 67. World Cast Aluminum Rotor Asynchronous Motor Average Price by Energy Efficiency Rating (2027-2032) & (US\$/Unit)

Table 68. World Cast Aluminum Rotor Asynchronous Motor Production Value by Working System, (USD Million), 2021 & 2025 & 2032

Table 69. World Cast Aluminum Rotor Asynchronous Motor Production by Working System (2021-2026) & (K Units)

Table 70. World Cast Aluminum Rotor Asynchronous Motor Production by Working System (2027-2032) & (K Units)

Table 71. World Cast Aluminum Rotor Asynchronous Motor Production Value by Working System (2021-2026) & (USD Million)

Table 72. World Cast Aluminum Rotor Asynchronous Motor Production Value by Working System (2027-2032) & (USD Million)

Table 73. World Cast Aluminum Rotor Asynchronous Motor Average Price by Working System (2021-2026) & (US\$/Unit)

Table 74. World Cast Aluminum Rotor Asynchronous Motor Average Price by Working System (2027-2032) & (US\$/Unit)

Table 75. World Cast Aluminum Rotor Asynchronous Motor Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 76. World Cast Aluminum Rotor Asynchronous Motor Production by Application (2021-2026) & (K Units)

Table 77. World Cast Aluminum Rotor Asynchronous Motor Production by Application (2027-2032) & (K Units)

Table 78. World Cast Aluminum Rotor Asynchronous Motor Production Value by

Application (2021-2026) & (USD Million)

Table 79. World Cast Aluminum Rotor Asynchronous Motor Production Value by Application (2027-2032) & (USD Million)

Table 80. World Cast Aluminum Rotor Asynchronous Motor Average Price by Application (2021-2026) & (US\$/Unit)

Table 81. World Cast Aluminum Rotor Asynchronous Motor Average Price by Application (2027-2032) & (US\$/Unit)

Table 82. ABB Basic Information, Manufacturing Base and Competitors

Table 83. ABB Major Business

Table 84. ABB Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 85. ABB Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 86. ABB Recent Developments/Updates

Table 87. ABB Competitive Strengths & Weaknesses

Table 88. Toshiba Basic Information, Manufacturing Base and Competitors

Table 89. Toshiba Major Business

Table 90. Toshiba Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 91. Toshiba Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 92. Toshiba Recent Developments/Updates

Table 93. Toshiba Competitive Strengths & Weaknesses

Table 94. Regal Rexnord Basic Information, Manufacturing Base and Competitors

Table 95. Regal Rexnord Major Business

Table 96. Regal Rexnord Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 97. Regal Rexnord Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. Regal Rexnord Recent Developments/Updates

Table 99. Regal Rexnord Competitive Strengths & Weaknesses

Table 100. Siemens Basic Information, Manufacturing Base and Competitors

Table 101. Siemens Major Business

Table 102. Siemens Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 103. Siemens Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 104. Siemens Recent Developments/Updates

Table 105. Siemens Competitive Strengths & Weaknesses

Table 106. TECO Basic Information, Manufacturing Base and Competitors

Table 107. TECO Major Business

Table 108. TECO Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 109. TECO Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 110. TECO Recent Developments/Updates

Table 111. TECO Competitive Strengths & Weaknesses

Table 112. WOLONG Basic Information, Manufacturing Base and Competitors

Table 113. WOLONG Major Business

Table 114. WOLONG Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 115. WOLONG Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 116. WOLONG Recent Developments/Updates

Table 117. WOLONG Competitive Strengths & Weaknesses

Table 118. Enpower Basic Information, Manufacturing Base and Competitors

Table 119. Enpower Major Business

Table 120. Enpower Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 121. Enpower Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 122. Enpower Recent Developments/Updates

Table 123. Enpower Competitive Strengths & Weaknesses

Table 124. INOVANCE Automotive Basic Information, Manufacturing Base and Competitors

Table 125. INOVANCE Automotive Major Business

Table 126. INOVANCE Automotive Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 127. INOVANCE Automotive Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 128. INOVANCE Automotive Recent Developments/Updates

Table 129. INOVANCE Automotive Competitive Strengths & Weaknesses

Table 130. HENGDA MOTOR Basic Information, Manufacturing Base and Competitors

Table 131. HENGDA MOTOR Major Business

Table 132. HENGDA MOTOR Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 133. HENGDA MOTOR Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 134. HENGDA MOTOR Recent Developments/Updates

Table 135. HENGDA MOTOR Competitive Strengths & Weaknesses

Table 136. SEC Electric Machinery Basic Information, Manufacturing Base and Competitors

Table 137. SEC Electric Machinery Major Business

Table 138. SEC Electric Machinery Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 139. SEC Electric Machinery Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 140. SEC Electric Machinery Recent Developments/Updates

Table 141. SEC Electric Machinery Competitive Strengths & Weaknesses

Table 142. Xinzhi Group Basic Information, Manufacturing Base and Competitors

Table 143. Xinzhi Group Major Business

Table 144. Xinzhi Group Cast Aluminum Rotor Asynchronous Motor Product and Services

Table 145. Xinzhi Group Cast Aluminum Rotor Asynchronous Motor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 146. Xinzhi Group Recent Developments/Updates

Table 147. Xinzhi Group Competitive Strengths & Weaknesses

Table 148. Global Key Players of Cast Aluminum Rotor Asynchronous Motor Upstream (Raw Materials)

Table 149. Global Cast Aluminum Rotor Asynchronous Motor Typical Customers

Table 150. Cast Aluminum Rotor Asynchronous Motor Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Cast Aluminum Rotor Asynchronous Motor Picture

Figure 2. World Cast Aluminum Rotor Asynchronous Motor Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Cast Aluminum Rotor Asynchronous Motor Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Cast Aluminum Rotor Asynchronous Motor Production (2021-2032) & (K Units)

Figure 5. World Cast Aluminum Rotor Asynchronous Motor Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Region (2021-2032)

Figure 7. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Region (2021-2032)

Figure 8. North America Cast Aluminum Rotor Asynchronous Motor Production (2021-2032) & (K Units)

Figure 9. Europe Cast Aluminum Rotor Asynchronous Motor Production (2021-2032) & (K Units)

Figure 10. China Cast Aluminum Rotor Asynchronous Motor Production (2021-2032) & (K Units)

Figure 11. Japan Cast Aluminum Rotor Asynchronous Motor Production (2021-2032) & (K Units)

Figure 12. Cast Aluminum Rotor Asynchronous Motor Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 15. World Cast Aluminum Rotor Asynchronous Motor Consumption Market Share by Region (2021-2032)

Figure 16. United States Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 17. China Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 18. Europe Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 19. Japan Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 20. South Korea Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 22. India Cast Aluminum Rotor Asynchronous Motor Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Cast Aluminum Rotor Asynchronous Motor by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Cast Aluminum Rotor Asynchronous Motor Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Cast Aluminum Rotor Asynchronous Motor Markets in 2025

Figure 26. United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Cast Aluminum Rotor Asynchronous Motor Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Cast Aluminum Rotor Asynchronous Motor Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share 2025

Figure 30. China Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Cast Aluminum Rotor Asynchronous Motor Production Market Share 2025

Figure 32. World Cast Aluminum Rotor Asynchronous Motor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Type in 2025

Figure 34. Single-Phase Asynchronous Motor

Figure 35. Three-Phase Asynchronous Motor

Figure 36. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Type (2021-2032)

Figure 37. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Type (2021-2032)

Figure 38. World Cast Aluminum Rotor Asynchronous Motor Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Cast Aluminum Rotor Asynchronous Motor Production Value by Shell Structure and Protection Level, (USD Million), 2021 & 2025 & 2032

Figure 40. World Cast Aluminum Rotor Asynchronous Motor Production Value Market

Share by Shell Structure and Protection Level in 2025

Figure 41. Enclosed

Figure 42. Protective

Figure 43. Sealed

Figure 44. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Shell Structure and Protection Level (2021-2032)

Figure 45. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Shell Structure and Protection Level (2021-2032)

Figure 46. World Cast Aluminum Rotor Asynchronous Motor Average Price by Shell Structure and Protection Level (2021-2032) & (US\$/Unit)

Figure 47. World Cast Aluminum Rotor Asynchronous Motor Production Value by Energy Efficiency Rating, (USD Million), 2021 & 2025 & 2032

Figure 48. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Energy Efficiency Rating in 2025

Figure 49. IE1

Figure 50. IE2

Figure 51. IE3

Figure 52. IE4

Figure 53. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Energy Efficiency Rating (2021-2032)

Figure 54. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Energy Efficiency Rating (2021-2032)

Figure 55. World Cast Aluminum Rotor Asynchronous Motor Average Price by Energy Efficiency Rating (2021-2032) & (US\$/Unit)

Figure 56. World Cast Aluminum Rotor Asynchronous Motor Production Value by Working System, (USD Million), 2021 & 2025 & 2032

Figure 57. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Working System in 2025

Figure 58. Continuous

Figure 59. Short-Term

Figure 60. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Working System (2021-2032)

Figure 61. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Working System (2021-2032)

Figure 62. World Cast Aluminum Rotor Asynchronous Motor Average Price by Working System (2021-2032) & (US\$/Unit)

Figure 63. World Cast Aluminum Rotor Asynchronous Motor Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 64. World Cast Aluminum Rotor Asynchronous Motor Production Value Market

Share by Application in 2025

Figure 65. Chemical

Figure 66. Power

Figure 67. Automotive

Figure 68. Others

Figure 69. World Cast Aluminum Rotor Asynchronous Motor Production Market Share by Application (2021-2032)

Figure 70. World Cast Aluminum Rotor Asynchronous Motor Production Value Market Share by Application (2021-2032)

Figure 71. World Cast Aluminum Rotor Asynchronous Motor Average Price by Application (2021-2032) & (US\$/Unit)

Figure 72. Cast Aluminum Rotor Asynchronous Motor Industry Chain

Figure 73. Cast Aluminum Rotor Asynchronous Motor Procurement Model

Figure 74. Cast Aluminum Rotor Asynchronous Motor Sales Model

Figure 75. Cast Aluminum Rotor Asynchronous Motor Sales Channels, Direct Sales, and Distribution

Figure 76. Methodology

Figure 77. Research Process and Data Source

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