

# Global Engine Rotors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Engine Rotors market size was valued at US\$ 1296 million in 2025 and is forecast to a readjusted size of US\$ 1731 million by 2032 with a CAGR of 4.2% during review period.

In 2025, global Engine Rotor output reached about 18 million units and global capacity of around 22 million units. The average price is about USD 70 per unit, with gross margins near 22%. Engine rotors are rotating components within engines (primarily in electric motors and some rotary or turbine systems) that convert electromagnetic or fluid energy into mechanical motion; in automotive and industrial contexts, they are most commonly the rotating part of electric motors used in powertrains, compressors, pumps, and auxiliary systems. The supply chain begins with raw material suppliers providing electrical steel laminations, copper, aluminum, and permanent magnets (e.g., NdFeB), followed by core component manufacturers that produce rotor laminations, shafts, and magnet assemblies; next, precision machining and balancing specialists handle shaft integration, magnet insertion, die-casting (for squirrel-cage rotors), and dynamic balancing; then motor manufacturers and OEMs integrate rotors into complete motor systems (e.g., traction motors in EVs or industrial drives); finally, the downstream includes automotive OEMs, industrial equipment producers, HVAC systems, and energy applications, with aftermarket services covering repair, rebalancing, and replacement.

This report is a detailed and comprehensive analysis for global Engine Rotors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Engine Rotors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Engine Rotors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Engine Rotors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Engine Rotors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Engine Rotors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Engine Rotors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nidec (Japan), Siemens (Germany), Mitsubishi Electric (Japan), ABB Group (Switzerland), Hitachi (Japan), Emerson Electric (USA), Bosch (Germany), ZF Friedrichshafen (Germany), Denso (Japan), BorgWarner (USA), etc.

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

## Market Segmentation

Engine Rotors market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Air-Cooled Rotors

Liquid-Cooled Rotors

Oil-Cooled Rotors

### Market segment by Power Rating

500 kW

### Market segment by Application

Automotive

HVAC Systems

Industrial Machinery

Power Generation

Aerospace & Defense

Others

### Major players covered

Nidec (Japan)

Siemens (Germany)

Mitsubishi Electric (Japan)

ABB Group (Switzerland)

Hitachi (Japan)

Emerson Electric (USA)

Bosch (Germany)

ZF Friedrichshafen (Germany)

Denso (Japan)

BorgWarner (USA)

Aisin (Japan)

MAHLE (Germany)

Regal Rexnord (USA)

SEW-Eurodrive (Germany)

Yaskawa Electric (Japan)

ebm-papst (Germany)

Wolong Electric (China)

Inovance Technology (China)

CRRC Corporation (China)

Great Wall Motor (China)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Engine Rotors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Engine Rotors, with price, sales quantity, revenue, and global market share of Engine Rotors from 2021 to 2026.

Chapter 3, the Engine Rotors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Engine Rotors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Engine Rotors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces

analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Engine Rotors.

Chapter 14 and 15, to describe Engine Rotors sales channel, distributors, customers, research findings and conclusion.

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