

# Global Engine Rotors Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Engine Rotors market size is expected to reach \$ 1731 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

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 studies the global Engine Rotors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Engine Rotors 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 Engine Rotors that contribute to its

increasing demand across many markets.

Highlights and key features of the study

Global Engine Rotors total production and demand, 2021-2032, (K Units)

Global Engine Rotors total production value, 2021-2032, (USD Million)

Global Engine Rotors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Engine Rotors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Engine Rotors domestic production, consumption, key domestic manufacturers and share

Global Engine Rotors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Engine Rotors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Engine Rotors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Engine Rotors 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 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Engine Rotors 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 Engine Rotors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Engine Rotors Market, Segmentation by Type:

Air-Cooled Rotors

Liquid-Cooled Rotors

Oil-Cooled Rotors

### Global Engine Rotors Market, Segmentation by Power Rating:

500 kW

### Global Engine Rotors Market, Segmentation by Application:

Automotive

HVAC Systems

Industrial Machinery

Power Generation

Aerospace & Defense

Others

Companies Profiled:

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)

#### Key Questions Answered:

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

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