

## **Inverter Duty Motors Market Report and Forecast 2025-2034**

Market Report | 2025-08-11 | 155 pages | EMR Inc.

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### **Report description:**

The global inverter duty motors market is expected to grow at a CAGR of 6.00% in the forecast period of 2025-2034.

#### **Rising Deployment of Pumps to Augment the Inverter Duty Motors Industry Growth**

Based on application, the pump segment accounts for a significant share in the industry. The growing deployment of inverter duty motors for pump applications in the chemical manufacturing, metal and mining, and food and beverage industries is aiding the growth of the segment. Meanwhile, extruders are commonly used in the rubber, plastic, and food processing sectors, where producers rely on lowering high energy costs, increasing manufacturing capacity, and reliability, which is expected to further enhance the demand for inverter duty motors in the forecast timeframe. The rising business investments and the substitution of regular engines with inverter duty motors are also expected to accelerate the consumer demand over the forecast timeframe.

#### **The Asia Pacific to Provide Enhanced Growth Opportunities to the Inverter Duty Motors Industry**

Region-wise, the Asia Pacific is the fastest-growing region in terms of infrastructure construction and a growing industrialisation pattern. These aspects have led to the development of the manufacturing and commercial industries in the region, which, in turn, is resulting in an increased demand for inverter duty engine deployments. In the global economy, China is constantly looking forward to strengthen its position. As per the 2018 World Investment Survey, China, Hong Kong, and Singapore are the recipients that have earned the highest FDI investments. Further, India and Japan are also experiencing an increased need for inverter duty motors due to the growth of the manufacturing sector and increasing chemical operations.

#### **Inverter Duty Motors: Market Segmentation**

The term "inverter-duty" is commonly used for a motor whose speed is controlled by an inverter or variable frequency drive (VFD). Although both inverter-duty and regular motors will operate on VFDs, the key differences are in construction and capability. Inverter duty motors are designed to tolerate extra heating caused by harmonics. The shaft-mounted fans are incapable of

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supplying enough cooling air at lower speeds than specified. The inverter motors are built with extra features to provide sufficient cooling even at low speeds.

By construction material, the market is divided into:

- Cast Iron
- Aluminium
- Laminated Steel

Based on standard, the market is categorised into:

- NEMA
- IEEE
- Others

On the basis of application, the market is segmented into:

- Extruders
- Pumps
- Conveyors
- Fans
- Others

Based on end use, the market is categorised into:

- Metal and Mining
- Chemicals and Oil and Gas
- Paper and Pulp
- Food and Beverage
- Others

Market breakup by region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

**Increasing Demand for Energy Efficiency to Bolster the Growth of the Inverter Duty Motors Industry**

The manufacturing industry is one of the major energy consumers worldwide. A wide variety of energy-saving techniques, such as the use of high-efficiency motors, variable speed drives (VSD), and capacitor banks, to increase the power factor are being introduced as motors are big energy consumers. Better service, lower waste-heat generation, longer insulation and bearing life, and less friction typically provide energy-efficient motors, which improves efficiency. The increasing need for energy-efficient motors is therefore the key driving force behind the demand for inverter duty motors. The leading companies are increasingly investing in the production of energy-efficient engines, which is further aiding the market for inverter duty motors.

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The developing economies are the prominent regions indulged in the adoption of energy-efficient motors, which is expected to drive the market development. Thus, the growing demand for energy-efficient motors is anticipated to lead to the increased acceptance of inverter duty motors, which, in the coming era, would propel the global market for inverter duty motors.

#### Key Industry Players in the Global Inverter Duty Motors Market

The report gives a detailed analysis of the following key players in the global inverter duty motors market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Rockwell Automation, Inc.
- Regal Beloit Corporation
- Nidec Motor Corporation
- Havells India Ltd.
- ABB Ltd.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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