

India AC Drives Market Growth Analysis - Forecast Trends and Outlook (2025-2034)

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Report description:

The India AC drives market is expected to grow at a CAGR of 8.93% in the forecast period of 2025-2034.

Rising Demand for Low Power AC Drives to Spearhead the Growth of the India AC Drives Industry

Based on power rating, the low power drives (<40 kW) segment is predicted to hold a significant market share in the India AC drives industry. This can be attributed to the increased implementation of low power AC drives owing to the heightened demand for AC motors in automation and other industrial applications.

Meanwhile, based on voltage, the heightened demand for low voltage AC drives is expected to further aid the market growth. The low cost and increased usage of this type in both low and medium-power applications is driving the segment growth. These factors are expected to contribute to the overall market growth in the forecast period.

Increasing Demand for Automation to Provide Lucrative Opportunities for the AC Drives Industry Growth in India

On the basis of end use, the automation industry is estimated to hold a substantial share of the India AC drives industry. This can be attributed to the rapid technological improvements and the growing acceptance of technology in the region, which is expected to drive the demand for AC drives in the automation industry. Moreover, the expanding oil and gas and energy sectors in the region, with the heightened demand for heavy machinery, is also expected to positively impact the industry growth in the forecast period.

AC Drives: Market Segmentation

AC drives, also known as adjustable speed drives or adjustable frequency drives, are devices that help in controlling the speed of an electrical motor. This aids in enhancing the process control while also reducing the energy requirements of the device. AC drives provide accurate control of the motor in a low maintenance compact size. Furthermore, the drives can also be used to

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convert energy from natural and renewable resources like sun and wind.

By product type, the market is bifurcated into:

- Low Voltage Drives
- Medium Voltage Drives
- Soft Starter

On the basis of power rating, the market can be divided into:

- Low Power Drives
- Medium Power Drives
- High Power Drives

Based on applications, the market can be segmented into:

- Compressor
- Conveyors
- Fans
- Extruders
- Pumps
- Others

On the basis of end use, the market can be distributed into:

- Transportation and Infrastructure
- Metal Processing
- Chemical
- Solar System
- Power
- Oil and Gas
- Others

Market Breakup by Region:

- North India
- East India
- South India
- West India

Increased Demand for Energy Conservation Solutions and the Rapid Industrialisation to Drive the India AC Drives Industry Growth

The rising population, growing urbanisation, and increasing demand for housing and other commercial and industrial infrastructure facilities in the country are driving the demand for energy. This has led to a heightened application of AC drives in the energy sector. Moreover, with the increasing disposable income and improved living standards, consumers are actively investing in appliances such as HVAC and quality refrigerators and washing machines, which is estimated to bolster the market growth in the coming years. Furthermore, the rapid technological advancements are also expected to aid the industry growth.

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Additionally, growing government investments in energy optimisation strategies and energy conservation solutions, fuelled by the escalating eco-consciousness amid the rising pollution levels, are predicted to aid the market growth in India.

Key Industry Players in the India AC Drives Market

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

- ABB India Ltd
- Siemens Limited
- Danfoss A/S
- Hitachi Hi-Rel Power Electronics Private Limited
- Yaskawa India Private Limited
- Rockwell Automation Inc.
- Schneider Electric SE
- Kirloskar Electric Company Ltd.
- Amtech Electronics India Limited
- Delta Electronics, Inc.
- CG Power & Industrial Solutions Ltd.
- Fuji Electric India Pvt Ltd
- Shenzhen INVT Electric Co Ltd
- Inovance Technology Pvt, Ltd
- Mitsubishi Electric India Pvt. Ltd.
- Others

The comprehensive EMR report provides an in-depth assessment of the industry based on the Porter's five forces model and SWOT analysis.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks

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- 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 India AC Drives Market Analysis
 - 5.1 India AC Drives Historical Market (2018-2024)
 - 5.2 India AC Drives Market Forecast (2025-2034)
 - 5.3 India AC Drives Market by Product Type
 - 5.3.1 Low Voltage Drives
 - 5.3.1.1 Historical Trend (2018-2024)
 - 5.3.1.2 Forecast Trend (2025-2034)
 - 5.3.2 Medium Voltage Drives
 - 5.3.2.1 Historical Trend (2018-2024)
 - 5.3.2.2 Forecast Trend (2025-2034)
 - 5.3.3 Soft Starter
 - 5.3.3.1 Historical Trend (2018-2024)
 - 5.3.3.2 Forecast Trend (2025-2034)
 - 5.4 India AC Drives Market by Power Rating
 - 5.4.1 Low Power Drives
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.2 Medium Power Drives
 - 5.4.2.1 Historical Trend (2018-2024)
 - 5.4.2.2 Forecast Trend (2025-2034)
 - 5.4.3 High Power Drives
 - 5.4.3.1 Historical Trend (2018-2024)
 - 5.4.3.2 Forecast Trend (2025-2034)
 - 5.5 India AC Drives Market by Application
 - 5.5.1 Compressor
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Conveyors
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Fans
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
 - 5.5.4 Extruders

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- 5.5.4.1 Historical Trend (2018-2024)
- 5.5.4.2 Forecast Trend (2025-2034)
- 5.5.5 Pumps
 - 5.5.5.1 Historical Trend (2018-2024)
 - 5.5.5.2 Forecast Trend (2025-2034)
- 5.5.6 Others
- 5.6 India AC Drives Market by End Use
 - 5.6.1 Transportation and Infrastructure
 - 5.6.1.1 Historical Trend (2018-2024)
 - 5.6.1.2 Forecast Trend (2025-2034)
 - 5.6.2 Metal Processing
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
 - 5.6.3 Chemical
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)
 - 5.6.4 Solar System
 - 5.6.4.1 Historical Trend (2018-2024)
 - 5.6.4.2 Forecast Trend (2025-2034)
 - 5.6.5 Power
 - 5.6.5.1 Historical Trend (2018-2024)
 - 5.6.5.2 Forecast Trend (2025-2034)
 - 5.6.6 Oil and Gas
 - 5.6.6.1 Historical Trend (2018-2024)
 - 5.6.6.2 Forecast Trend (2025-2034)
 - 5.6.7 Others
- 5.7 India AC Drives Market by Region
 - 5.7.1 North India
 - 5.7.2 East India
 - 5.7.3 South India
 - 5.7.4 West India
- 6 Regional Analysis
 - 6.1 North India
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 East India
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
 - 6.3 South India
 - 6.3.1 Historical Trend (2018-2024)
 - 6.3.2 Forecast Trend (2025-2034)
 - 6.4 West India
 - 6.4.1 Historical Trend (2018-2024)
 - 6.4.2 Forecast Trend (2025-2034)
- 7 India LV Drive System Market Analysis
 - 7.1 India LV Drive System Historical Market (2018-2024)
 - 7.2 India LV Drive System Market Forecast (2025-2034)

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- 7.3 India LV Drive System Market by Type
- 7.4 India LV Drive System Market by Application
- 7.5 India LV Drive System Market by Rating
- 8 Market Dynamics
 - 8.1 SWOT Analysis
 - 8.1.1 Strengths
 - 8.1.2 Weaknesses
 - 8.1.3 Opportunities
 - 8.1.4 Threats
 - 8.2 Porter's Five Forces Analysis
 - 8.2.1 Supplier's Power
 - 8.2.2 Buyer's Power
 - 8.2.3 Threat of New Entrants
 - 8.2.4 Degree of Rivalry
 - 8.2.5 Threat of Substitutes
 - 8.3 Key Indicators for Demand
 - 8.4 Key Indicators for Price
- 9 Competitive Landscape
 - 9.1 Supplier Selection
 - 9.2 Key Global Players
 - 9.3 Key Regional Players
 - 9.4 Key Player Strategies
 - 9.5 Company Profiles
 - 9.5.1 ABB India Ltd
 - 9.5.1.1 Company Overview
 - 9.5.1.2 Product Portfolio
 - 9.5.1.3 Demographic Reach and Achievements
 - 9.5.1.4 Certifications
 - 9.5.2 Siemens Limited
 - 9.5.2.1 Company Overview
 - 9.5.2.2 Product Portfolio
 - 9.5.2.3 Demographic Reach and Achievements
 - 9.5.2.4 Certifications
 - 9.5.3 Danfoss A/S
 - 9.5.3.1 Company Overview
 - 9.5.3.2 Product Portfolio
 - 9.5.3.3 Demographic Reach and Achievements
 - 9.5.3.4 Certifications
 - 9.5.4 Hitachi Hi-Rel Power Electronics Private Limited
 - 9.5.4.1 Company Overview
 - 9.5.4.2 Product Portfolio
 - 9.5.4.3 Demographic Reach and Achievements
 - 9.5.4.4 Certifications
 - 9.5.5 Yaskawa India Private Limited
 - 9.5.5.1 Company Overview
 - 9.5.5.2 Product Portfolio
 - 9.5.5.3 Demographic Reach and Achievements

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- 9.5.5.4 Certifications
- 9.5.6 Rockwell Automation Inc.
 - 9.5.6.1 Company Overview
 - 9.5.6.2 Product Portfolio
 - 9.5.6.3 Demographic Reach and Achievements
 - 9.5.6.4 Certifications
- 9.5.7 Schneider Electric SE
 - 9.5.7.1 Company Overview
 - 9.5.7.2 Product Portfolio
 - 9.5.7.3 Demographic Reach and Achievements
 - 9.5.7.4 Certifications
- 9.5.8 Kirloskar Electric Company Ltd.
 - 9.5.8.1 Company Overview
 - 9.5.8.2 Product Portfolio
 - 9.5.8.3 Demographic Reach and Achievements
 - 9.5.8.4 Certifications
- 9.5.9 Amtech Electronics India Limited
 - 9.5.9.1 Company Overview
 - 9.5.9.2 Product Portfolio
 - 9.5.9.3 Demographic Reach and Achievements
 - 9.5.9.4 Certifications
- 9.5.10 Delta Electronics, Inc.
 - 9.5.10.1 Company Overview
 - 9.5.10.2 Product Portfolio
 - 9.5.10.3 Demographic Reach and Achievements
 - 9.5.10.4 Certifications
- 9.5.11 CG Power & Industrial Solutions Ltd.
 - 9.5.11.1 Company Overview
 - 9.5.11.2 Product Portfolio
 - 9.5.11.3 Demographic Reach and Achievements
 - 9.5.11.4 Certifications
- 9.5.12 Fuji Electric India Pvt Ltd
 - 9.5.12.1 Company Overview
 - 9.5.12.2 Product Portfolio
 - 9.5.12.3 Demographic Reach and Achievements
 - 9.5.12.4 Certifications
- 9.5.13 Shenzhen INVT Electric Co Ltd
 - 9.5.13.1 Company Overview
 - 9.5.13.2 Product Portfolio
 - 9.5.13.3 Demographic Reach and Achievements
 - 9.5.13.4 Certifications
- 9.5.14 Inovance Technology Pvt, Ltd
 - 9.5.14.1 Company Overview
 - 9.5.14.2 Product Portfolio
 - 9.5.14.3 Demographic Reach and Achievements
 - 9.5.14.4 Certifications
- 9.5.15 Mitsubishi Electric India Pvt. Ltd.

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- 9.5.15.1 Company Overview
- 9.5.15.2 Product Portfolio
- 9.5.15.3 Demographic Reach and Achievements
- 9.5.15.4 Certifications
- 9.5.16 Others

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