

Adjustable-Frequency Drive Market Size, Share, and Outlook, 2025 Report- By Type (AC Drives, DC Drives, Servo Drives), By Application (Pumps, Fans, Compressors, Conveyors, Others), 2018-2032

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Abstracts

Adjustable-Frequency Drive Market Outlook

The Adjustable-Frequency Drive Market size is expected to register a growth rate of 5.6% during the forecast period from \$28.2 Billion in 2025 to \$41.3 Billion in 2032. The Adjustable-Frequency Drive market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Adjustable-Frequency Drive segments across 22 countries from 2021 to 2032. Key segments in the report include By Type (AC Drives, DC Drives, Servo Drives), By Application (Pumps, Fans, Compressors, Conveyors, Others). Over 70 tables and charts showcase findings from our latest survey report on Adjustable-Frequency Drive markets.

Adjustable-Frequency Drive Market Insights, 2025

The adjustable-frequency drive (AFD) market is expanding as industrial automation, energy efficiency initiatives, and the shift toward electrification drive demand for variable-speed motor control solutions. AFDs, also known as variable frequency drives (VFDs), optimize motor performance by adjusting the frequency and voltage supplied to electric motors, reducing energy consumption and extending equipment lifespan. Industries such as HVAC, oil & gas, manufacturing, and water treatment are investing in advanced

AFDs to improve process efficiency and comply with stringent energy regulations. The integration of digital controls, AI-driven predictive maintenance, and remote monitoring capabilities is further enhancing the functionality of modern AFD systems. Additionally, the rise of renewable energy applications, particularly in wind and solar power, is creating new opportunities for AFD manufacturers. As industries focus on reducing operational costs and carbon footprints, the demand for high-efficiency adjustable-frequency drives is expected to continue its upward trajectory.

Five Trends that will define global Adjustable-Frequency Drive market in 2025 and Beyond

A closer look at the multi-million market for Adjustable-Frequency Drive identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Adjustable-Frequency Drive companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Adjustable-Frequency Drive vendors.

What are the biggest opportunities for growth in the Adjustable-Frequency Drive industry?

The Adjustable-Frequency Drive sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Adjustable-Frequency Drive Market Segment Insights

The Adjustable-Frequency Drive industry presents strong offers across categories. The analytical report offers forecasts of Adjustable-Frequency Drive industry performance across segments and countries. Key segments in the industry include%li%By Type (AC Drives, DC Drives, Servo Drives), By Application (Pumps, Fans, Compressors, Conveyors, Others). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the

report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Adjustable-Frequency Drive market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Adjustable-Frequency Drive industry ecosystem. It assists decision-makers in evaluating global Adjustable-Frequency Drive market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Adjustable-Frequency Drive industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Adjustable-Frequency Drive Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Adjustable-Frequency Drive Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Adjustable-Frequency Drive with demand from both Western

Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Adjustable-Frequency Drive market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Adjustable-Frequency Drive market Insights%li%Vendors are exploring new opportunities within the US Adjustable-Frequency Drive industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Adjustable-Frequency Drive companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Adjustable-Frequency Drive market.

Latin American Adjustable-Frequency Drive market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Adjustable-Frequency Drive Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Adjustable-Frequency Drive markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Adjustable-Frequency Drive markets

including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Adjustable-Frequency Drive companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include ABB, Crompton Greaves, Danfoss, NIDEC, Rockwell, Schneider Electric, Siemens, TMEIC.

Adjustable-Frequency Drive Market Segmentation

By Type

AC Drives

DC Drives

Servo Drives

By Application

Pumps

Fans

Compressors

Conveyors

Others

Leading Companies

ABB

Crompton Greaves

Danfoss

NIDEC

Rockwell

Schneider Electric

Siemens

TMEIC

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

Contents

1. TABLE OF CONTENTS

List of Figures and Tables

2. EXECUTIVE SUMMARY

2.1 Key Highlights

2.1.1 Adjustable-Frequency Drive Market Size Outlook, 2018-2024 and 2025-2032

2.1.2 Largest Adjustable-Frequency Drive Market Types and Applications

2.1.3 Fastest Growing Segments

2.1.4 Potential Markets

2.1.5 Market Concentration

2.2 Market Scope and Segmentation

2.2.1 Market Scope- Segments

2.2.2 Market Scope- Countries

2.2.3 Macroeconomic and Demographic Outlook

2.2.4 Abbreviations

2.2.5 Units and Currency Conversions

3. RESEARCH METHODOLOGY

3.1 Primary Research Surveys

3.2 Secondary Data Sources

3.3 Data Triangulation

3.4 Forecast Methodology

3.5 Assumptions and Limitations

4. INTRODUCTION TO GLOBAL ADJUSTABLE-FREQUENCY DRIVE MARKET IN 2025

4.1 Industry Panorama

4.2 Leading Companies Profiled in the Study

4.3 Asia Pacific Markets offer Robust Market Prospects for New Entrants

4.4 Market Dynamics

4.4.1 Market Dynamics- Trends and Drivers

4.4.2 Market Dynamics- Opportunities and Challenges

4.5 Regional Analysis

- 4.6 Porter's Five Force Analysis
 - 4.6.1 Intensity of Competitive Rivalry
 - 4.6.2 Threat of New Entrants
 - 4.6.3 Threat of Substitutes
 - 4.6.4 Bargaining Power of Buyers
 - 4.6.5 Bargaining Power of Suppliers
- 4.7 Adjustable-Frequency Drive Industry Value Chain Analysis
 - 4.7.1 Stage of Value Chain
 - 4.7.2 Key Activities of Companies
 - 4.7.3 Companies Included in Each Stage
 - 4.7.4 Key Insights

5. ADJUSTABLE-FREQUENCY DRIVE MARKET OUTLOOK TO 2032

- 5.1 Market Size Forecast by Type, 2021-2024 and 2025-2032
- 5.2 Market Size Forecast by Application, 2021-2024 and 2024-2032
- 5.3 Market Size Forecast by Geography, 2021-2024 and 2024-2032

By Type

AC Drives

DC Drives

Servo Drives

By Application

Pumps

Fans

Compressors

Conveyors

Others

6. GLOBAL ADJUSTABLE-FREQUENCY DRIVE MARKET OUTLOOK ACROSS GROWTH SCENARIOS

- 6.1 Low Growth Scenario
- 6.2 Base/Reference Case
- 6.3 High Growth Scenario

6. NORTH AMERICA ADJUSTABLE-FREQUENCY DRIVE MARKET SIZE OUTLOOK

- 6.1 Key Market Statistics, 2024
- 6.2 North America Adjustable-Frequency Drive Market Trends and Growth

Opportunities

6.2.1 North America Adjustable-Frequency Drive Market Outlook by Type

6.2.2 North America Adjustable-Frequency Drive Market Outlook by Application

6.3 North America Adjustable-Frequency Drive Market Outlook by Country

6.3.1 The US Adjustable-Frequency Drive Market Outlook, 2021- 2032

6.3.2 Canada Adjustable-Frequency Drive Market Outlook, 2021- 2032

6.3.3 Mexico Adjustable-Frequency Drive Market Outlook, 2021- 2032

7. EUROPE ADJUSTABLE-FREQUENCY DRIVE MARKET SIZE OUTLOOK

7.1 Key Market Statistics, 2024

7.2 Europe Adjustable-Frequency Drive Market Trends and Growth Opportunities

7.2.1 Europe Adjustable-Frequency Drive Market Outlook by Type

7.2.2 Europe Adjustable-Frequency Drive Market Outlook by Application

7.3 Europe Adjustable-Frequency Drive Market Outlook by Country

7.3.2 Germany Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.3 France Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.4 The UK Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.5 Spain Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.6 Italy Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.7 Russia Adjustable-Frequency Drive Market Outlook, 2021- 2032

7.3.8 Rest of Europe Adjustable-Frequency Drive Market Outlook, 2021- 2032

8. ASIA PACIFIC ADJUSTABLE-FREQUENCY DRIVE MARKET SIZE OUTLOOK

8.1 Key Market Statistics, 2024

8.2 Asia Pacific Adjustable-Frequency Drive Market Trends and Growth Opportunities

8.2.1 Asia Pacific Adjustable-Frequency Drive Market Outlook by Type

8.2.2 Asia Pacific Adjustable-Frequency Drive Market Outlook by Application

8.3 Asia Pacific Adjustable-Frequency Drive Market Outlook by Country

8.3.1 China Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.2 India Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.3 Japan Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.4 South Korea Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.5 Australia Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.6 South East Asia Adjustable-Frequency Drive Market Outlook, 2021- 2032

8.3.7 Rest of Asia Pacific Adjustable-Frequency Drive Market Outlook, 2021- 2032

9. SOUTH AMERICA ADJUSTABLE-FREQUENCY DRIVE MARKET SIZE OUTLOOK

9.1 Key Market Statistics, 2024

9.2 South America Adjustable-Frequency Drive Market Trends and Growth Opportunities

9.2.1 South America Adjustable-Frequency Drive Market Outlook by Type

9.2.2 South America Adjustable-Frequency Drive Market Outlook by Application

9.3 South America Adjustable-Frequency Drive Market Outlook by Country

9.3.1 Brazil Adjustable-Frequency Drive Market Outlook, 2021- 2032

9.3.2 Argentina Adjustable-Frequency Drive Market Outlook, 2021- 2032

9.3.3 Rest of South and Central America Adjustable-Frequency Drive Market Outlook, 2021- 2032

10. MIDDLE EAST AND AFRICA ADJUSTABLE-FREQUENCY DRIVE MARKET SIZE OUTLOOK

10.1 Key Market Statistics, 2024

10.2 Middle East and Africa Adjustable-Frequency Drive Market Trends and Growth Opportunities

10.2.1 Middle East and Africa Adjustable-Frequency Drive Market Outlook by Type

10.2.2 Middle East and Africa Adjustable-Frequency Drive Market Outlook by Application

10.3 Middle East and Africa Adjustable-Frequency Drive Market Outlook by Country

10.3.1 Saudi Arabia Adjustable-Frequency Drive Market Outlook, 2021- 2032

10.3.2 The UAE Adjustable-Frequency Drive Market Outlook, 2021- 2032

10.3.3 Rest of Middle East Adjustable-Frequency Drive Market Outlook, 2021- 2032

10.3.4 South Africa Adjustable-Frequency Drive Market Outlook, 2021- 2032

10.3.5 Egypt Adjustable-Frequency Drive Market Outlook, 2021- 2032

10.3.6 Rest of Africa Adjustable-Frequency Drive Market Outlook, 2021- 2032

11. COMPANY PROFILES

11.1 Leading 10 Companies

ABB

Crompton Greaves

Danfoss

NIDEC

Rockwell

Schneider Electric

Siemens

TMEIC

11.2 Overview

11.3 Products and Services

11.4 SWOT Profile

12. APPENDIX

12.1 Subscription Options

12.2 Customization Options

12.3 Publisher Details

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