

# Global Variable Frequency Drive (VFD) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

https://marketpublishers.com/r/GBD911D1F59BEN.html

Date: January 2024

Pages: 149

Price: US\$ 3,480.00 (Single User License)

ID: GBD911D1F59BEN

# **Abstracts**

According to our (Global Info Research) latest study, the global Variable Frequency Drive (VFD) market size was valued at USD 15400 million in 2023 and is forecast to a readjusted size of USD 19020 million by 2030 with a CAGR of 3.1% during review period.

Variable frequency Drive (VFD) is an electric power control device which controls AC motor by changing the working power frequency of the motor by using frequency conversion technology and microelectronic technology. The frequency converter is mainly composed of rectifier (AC to DC), filter, inverter (DC to AC), brake unit, drive unit, detection unit, micro-processing unit, etc.

The major players in global Variable frequency Drive (VFD) market include ABB, SIEMENS, Schneider, etc. The top 3 players occupy over 35% shares of the global market. Middle and Low Voltage Frequency Converter is the main type, with a share about 70%. Electric Power is the main application, which holds a share about 30%.

The Global Info Research report includes an overview of the development of the Variable Frequency Drive (VFD) industry chain, the market status of Electric Power (MV and LV Frequency Converter, High Voltage Frequency Converter), Mining (MV and LV Frequency Converter, High Voltage Frequency Converter), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Variable Frequency Drive (VFD).

Regionally, the report analyzes the Variable Frequency Drive (VFD) markets in key regions. North America and Europe are experiencing steady growth, driven by



government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Variable Frequency Drive (VFD) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

## Key Features:

The report presents comprehensive understanding of the Variable Frequency Drive (VFD) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Variable Frequency Drive (VFD) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., MV and LV Frequency Converter, High Voltage Frequency Converter).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Variable Frequency Drive (VFD) market.

Regional Analysis: The report involves examining the Variable Frequency Drive (VFD) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Variable Frequency Drive (VFD) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Variable Frequency Drive (VFD):

Company Analysis: Report covers individual Variable Frequency Drive (VFD) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.



Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Variable Frequency Drive (VFD) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Power, Mining).

Technology Analysis: Report covers specific technologies relevant to Variable Frequency Drive (VFD). It assesses the current state, advancements, and potential future developments in Variable Frequency Drive (VFD) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Variable Frequency Drive (VFD) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Variable Frequency Drive (VFD) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

MV and LV Frequency Converter

High Voltage Frequency Converter

Market segment by Application

Electric Power

Mining

Metallurgical



	Petrochemical
	Building Materials
	Others
Major players covered	
	ABB
	SIEMENS
	Schneider
	Danfoss
	Rockwell
	YASKAWA
	MITSUBISHI ELECTRIC
	Fuji Electric
	Inovance Technology
	Delta
	GE Power Conversion
	INVT
	Hiconics Eco-energy Technology
	VEICHI
	HopeSenlan Science and Technology



**EURA DRIVES** 

**POWTRAN** 

Sichuan Jialing Electrical

Xinfengguang Electronics

SINEE

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 Variable Frequency Drive (VFD) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Variable Frequency Drive (VFD), with price, sales, revenue and global market share of Variable Frequency Drive (VFD) from 2019 to 2024.

Chapter 3, the Variable Frequency Drive (VFD) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Variable Frequency Drive (VFD) breakdown data are shown at the



regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023.and Variable Frequency Drive (VFD) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Variable Frequency Drive (VFD).

Chapter 14 and 15, to describe Variable Frequency Drive (VFD) sales channel, distributors, customers, research findings and conclusion.



# **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Variable Frequency Drive (VFD)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Variable Frequency Drive (VFD) Consumption Value by Type:
- 2019 Versus 2023 Versus 2030
  - 1.3.2 MV and LV Frequency Converter
  - 1.3.3 High Voltage Frequency Converter
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Variable Frequency Drive (VFD) Consumption Value by

Application: 2019 Versus 2023 Versus 2030

- 1.4.2 Electric Power
- 1.4.3 Mining
- 1.4.4 Metallurgical
- 1.4.5 Petrochemical
- 1.4.6 Building Materials
- 1.4.7 Others
- 1.5 Global Variable Frequency Drive (VFD) Market Size & Forecast
- 1.5.1 Global Variable Frequency Drive (VFD) Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Variable Frequency Drive (VFD) Sales Quantity (2019-2030)
  - 1.5.3 Global Variable Frequency Drive (VFD) Average Price (2019-2030)

#### **2 MANUFACTURERS PROFILES**

- 2.1 ABB
  - 2.1.1 ABB Details
  - 2.1.2 ABB Major Business
  - 2.1.3 ABB Variable Frequency Drive (VFD) Product and Services
  - 2.1.4 ABB Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

- 2.1.5 ABB Recent Developments/Updates
- 2.2 SIEMENS
  - 2.2.1 SIEMENS Details
  - 2.2.2 SIEMENS Major Business
  - 2.2.3 SIEMENS Variable Frequency Drive (VFD) Product and Services



- 2.2.4 SIEMENS Variable Frequency Drive (VFD) Sales Quantity, Average Price,
- Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 SIEMENS Recent Developments/Updates
- 2.3 Schneider
  - 2.3.1 Schneider Details
  - 2.3.2 Schneider Major Business
  - 2.3.3 Schneider Variable Frequency Drive (VFD) Product and Services
  - 2.3.4 Schneider Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.3.5 Schneider Recent Developments/Updates
- 2.4 Danfoss
  - 2.4.1 Danfoss Details
  - 2.4.2 Danfoss Major Business
  - 2.4.3 Danfoss Variable Frequency Drive (VFD) Product and Services
  - 2.4.4 Danfoss Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.4.5 Danfoss Recent Developments/Updates
- 2.5 Rockwell
  - 2.5.1 Rockwell Details
  - 2.5.2 Rockwell Major Business
  - 2.5.3 Rockwell Variable Frequency Drive (VFD) Product and Services
  - 2.5.4 Rockwell Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.5.5 Rockwell Recent Developments/Updates
- 2.6 YASKAWA
  - 2.6.1 YASKAWA Details
  - 2.6.2 YASKAWA Major Business
  - 2.6.3 YASKAWA Variable Frequency Drive (VFD) Product and Services
  - 2.6.4 YASKAWA Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.6.5 YASKAWA Recent Developments/Updates
- 2.7 MITSUBISHI ELECTRIC
  - 2.7.1 MITSUBISHI ELECTRIC Details
  - 2.7.2 MITSUBISHI ELECTRIC Major Business
  - 2.7.3 MITSUBISHI ELECTRIC Variable Frequency Drive (VFD) Product and Services
  - 2.7.4 MITSUBISHI ELECTRIC Variable Frequency Drive (VFD) Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.7.5 MITSUBISHI ELECTRIC Recent Developments/Updates
- 2.8 Fuji Electric



- 2.8.1 Fuji Electric Details
- 2.8.2 Fuji Electric Major Business
- 2.8.3 Fuji Electric Variable Frequency Drive (VFD) Product and Services
- 2.8.4 Fuji Electric Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.8.5 Fuji Electric Recent Developments/Updates
- 2.9 Inovance Technology
  - 2.9.1 Inovance Technology Details
  - 2.9.2 Inovance Technology Major Business
  - 2.9.3 Inovance Technology Variable Frequency Drive (VFD) Product and Services
- 2.9.4 Inovance Technology Variable Frequency Drive (VFD) Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.9.5 Inovance Technology Recent Developments/Updates
- 2.10 Delta
  - 2.10.1 Delta Details
  - 2.10.2 Delta Major Business
  - 2.10.3 Delta Variable Frequency Drive (VFD) Product and Services
  - 2.10.4 Delta Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

- 2.10.5 Delta Recent Developments/Updates
- 2.11 GE Power Conversion
  - 2.11.1 GE Power Conversion Details
  - 2.11.2 GE Power Conversion Major Business
  - 2.11.3 GE Power Conversion Variable Frequency Drive (VFD) Product and Services
  - 2.11.4 GE Power Conversion Variable Frequency Drive (VFD) Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.11.5 GE Power Conversion Recent Developments/Updates
- 2.12 INVT
  - 2.12.1 INVT Details
  - 2.12.2 INVT Major Business
  - 2.12.3 INVT Variable Frequency Drive (VFD) Product and Services
- 2.12.4 INVT Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

- 2.12.5 INVT Recent Developments/Updates
- 2.13 Hiconics Eco-energy Technology
  - 2.13.1 Hiconics Eco-energy Technology Details
  - 2.13.2 Hiconics Eco-energy Technology Major Business
- 2.13.3 Hiconics Eco-energy Technology Variable Frequency Drive (VFD) Product and Services



- 2.13.4 Hiconics Eco-energy Technology Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.13.5 Hiconics Eco-energy Technology Recent Developments/Updates
- 2.14 VEICHI
  - 2.14.1 VEICHI Details
  - 2.14.2 VEICHI Major Business
  - 2.14.3 VEICHI Variable Frequency Drive (VFD) Product and Services
  - 2.14.4 VEICHI Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.14.5 VEICHI Recent Developments/Updates
- 2.15 HopeSenlan Science and Technology
  - 2.15.1 HopeSenlan Science and Technology Details
  - 2.15.2 HopeSenlan Science and Technology Major Business
- 2.15.3 HopeSenlan Science and Technology Variable Frequency Drive (VFD) Product and Services
- 2.15.4 HopeSenlan Science and Technology Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.15.5 HopeSenlan Science and Technology Recent Developments/Updates
- 2.16 EURA DRIVES
  - 2.16.1 EURA DRIVES Details
  - 2.16.2 EURA DRIVES Major Business
  - 2.16.3 EURA DRIVES Variable Frequency Drive (VFD) Product and Services
- 2.16.4 EURA DRIVES Variable Frequency Drive (VFD) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.16.5 EURA DRIVES Recent Developments/Updates

- 2.17 POWTRAN
  - 2.17.1 POWTRAN Details
  - 2.17.2 POWTRAN Major Business
  - 2.17.3 POWTRAN Variable Frequency Drive (VFD) Product and Services
  - 2.17.4 POWTRAN Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.17.5 POWTRAN Recent Developments/Updates
- 2.18 Sichuan Jialing Electrical
  - 2.18.1 Sichuan Jialing Electrical Details
  - 2.18.2 Sichuan Jialing Electrical Major Business
  - 2.18.3 Sichuan Jialing Electrical Variable Frequency Drive (VFD) Product and Services
  - 2.18.4 Sichuan Jialing Electrical Variable Frequency Drive (VFD) Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.18.5 Sichuan Jialing Electrical Recent Developments/Updates



- 2.19 Xinfengguang Electronics
  - 2.19.1 Xinfengguang Electronics Details
  - 2.19.2 Xinfengguang Electronics Major Business
- 2.19.3 Xinfengguang Electronics Variable Frequency Drive (VFD) Product and Services
- 2.19.4 Xinfengguang Electronics Variable Frequency Drive (VFD) Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.19.5 Xinfengguang Electronics Recent Developments/Updates
- **2.20 SINEE** 
  - 2.20.1 SINEE Details
  - 2.20.2 SINEE Major Business
  - 2.20.3 SINEE Variable Frequency Drive (VFD) Product and Services
  - 2.20.4 SINEE Variable Frequency Drive (VFD) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.20.5 SINEE Recent Developments/Updates

# 3 COMPETITIVE ENVIRONMENT: VARIABLE FREQUENCY DRIVE (VFD) BY MANUFACTURER

- 3.1 Global Variable Frequency Drive (VFD) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Variable Frequency Drive (VFD) Revenue by Manufacturer (2019-2024)
- 3.3 Global Variable Frequency Drive (VFD) Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
- 3.4.1 Producer Shipments of Variable Frequency Drive (VFD) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
- 3.4.2 Top 3 Variable Frequency Drive (VFD) Manufacturer Market Share in 2023
- 3.4.2 Top 6 Variable Frequency Drive (VFD) Manufacturer Market Share in 2023
- 3.5 Variable Frequency Drive (VFD) Market: Overall Company Footprint Analysis
  - 3.5.1 Variable Frequency Drive (VFD) Market: Region Footprint
  - 3.5.2 Variable Frequency Drive (VFD) Market: Company Product Type Footprint
- 3.5.3 Variable Frequency Drive (VFD) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

#### 4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Variable Frequency Drive (VFD) Market Size by Region
- 4.1.1 Global Variable Frequency Drive (VFD) Sales Quantity by Region (2019-2030)



- 4.1.2 Global Variable Frequency Drive (VFD) Consumption Value by Region (2019-2030)
  - 4.1.3 Global Variable Frequency Drive (VFD) Average Price by Region (2019-2030)
- 4.2 North America Variable Frequency Drive (VFD) Consumption Value (2019-2030)
- 4.3 Europe Variable Frequency Drive (VFD) Consumption Value (2019-2030)
- 4.4 Asia-Pacific Variable Frequency Drive (VFD) Consumption Value (2019-2030)
- 4.5 South America Variable Frequency Drive (VFD) Consumption Value (2019-2030)
- 4.6 Middle East and Africa Variable Frequency Drive (VFD) Consumption Value (2019-2030)

#### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 5.2 Global Variable Frequency Drive (VFD) Consumption Value by Type (2019-2030)
- 5.3 Global Variable Frequency Drive (VFD) Average Price by Type (2019-2030)

#### **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 6.2 Global Variable Frequency Drive (VFD) Consumption Value by Application (2019-2030)
- 6.3 Global Variable Frequency Drive (VFD) Average Price by Application (2019-2030)

#### **7 NORTH AMERICA**

- 7.1 North America Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 7.2 North America Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 7.3 North America Variable Frequency Drive (VFD) Market Size by Country
- 7.3.1 North America Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2030)
- 7.3.2 North America Variable Frequency Drive (VFD) Consumption Value by Country (2019-2030)
- 7.3.3 United States Market Size and Forecast (2019-2030)
- 7.3.4 Canada Market Size and Forecast (2019-2030)
- 7.3.5 Mexico Market Size and Forecast (2019-2030)

#### **8 EUROPE**



- 8.1 Europe Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 8.2 Europe Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 8.3 Europe Variable Frequency Drive (VFD) Market Size by Country
  - 8.3.1 Europe Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Variable Frequency Drive (VFD) Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
  - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
  - 8.3.6 Russia Market Size and Forecast (2019-2030)
  - 8.3.7 Italy Market Size and Forecast (2019-2030)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Variable Frequency Drive (VFD) Market Size by Region
- 9.3.1 Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Variable Frequency Drive (VFD) Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

#### **10 SOUTH AMERICA**

- 10.1 South America Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 10.2 South America Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 10.3 South America Variable Frequency Drive (VFD) Market Size by Country
- 10.3.1 South America Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Variable Frequency Drive (VFD) Consumption Value by Country



(2019-2030)

- 10.3.3 Brazil Market Size and Forecast (2019-2030)
- 10.3.4 Argentina Market Size and Forecast (2019-2030)

#### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Variable Frequency Drive (VFD) Market Size by Country
- 11.3.1 Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2030)
- 11.3.2 Middle East & Africa Variable Frequency Drive (VFD) Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

#### 12 MARKET DYNAMICS

- 12.1 Variable Frequency Drive (VFD) Market Drivers
- 12.2 Variable Frequency Drive (VFD) Market Restraints
- 12.3 Variable Frequency Drive (VFD) Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

#### 13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Variable Frequency Drive (VFD) and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Variable Frequency Drive (VFD)
- 13.3 Variable Frequency Drive (VFD) Production Process
- 13.4 Variable Frequency Drive (VFD) Industrial Chain



### 14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Variable Frequency Drive (VFD) Typical Distributors
- 14.3 Variable Frequency Drive (VFD) Typical Customers

#### 15 RESEARCH FINDINGS AND CONCLUSION

#### **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



# **List Of Tables**

#### LIST OF TABLES

Table 1. Global Variable Frequency Drive (VFD) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Variable Frequency Drive (VFD) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. ABB Basic Information, Manufacturing Base and Competitors

Table 4. ABB Major Business

Table 5. ABB Variable Frequency Drive (VFD) Product and Services

Table 6. ABB Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. ABB Recent Developments/Updates

Table 8. SIEMENS Basic Information, Manufacturing Base and Competitors

Table 9. SIEMENS Major Business

Table 10. SIEMENS Variable Frequency Drive (VFD) Product and Services

Table 11. SIEMENS Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. SIEMENS Recent Developments/Updates

Table 13. Schneider Basic Information, Manufacturing Base and Competitors

Table 14. Schneider Major Business

Table 15. Schneider Variable Frequency Drive (VFD) Product and Services

Table 16. Schneider Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Schneider Recent Developments/Updates

Table 18. Danfoss Basic Information, Manufacturing Base and Competitors

Table 19. Danfoss Major Business

Table 20. Danfoss Variable Frequency Drive (VFD) Product and Services

Table 21. Danfoss Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Danfoss Recent Developments/Updates

Table 23. Rockwell Basic Information, Manufacturing Base and Competitors

Table 24. Rockwell Major Business

Table 25. Rockwell Variable Frequency Drive (VFD) Product and Services

Table 26. Rockwell Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Rockwell Recent Developments/Updates

Table 28. YASKAWA Basic Information, Manufacturing Base and Competitors



- Table 29. YASKAWA Major Business
- Table 30. YASKAWA Variable Frequency Drive (VFD) Product and Services
- Table 31. YASKAWA Variable Frequency Drive (VFD) Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. YASKAWA Recent Developments/Updates
- Table 33. MITSUBISHI ELECTRIC Basic Information, Manufacturing Base and Competitors
- Table 34. MITSUBISHI ELECTRIC Major Business
- Table 35. MITSUBISHI ELECTRIC Variable Frequency Drive (VFD) Product and Services
- Table 36. MITSUBISHI ELECTRIC Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. MITSUBISHI ELECTRIC Recent Developments/Updates
- Table 38. Fuji Electric Basic Information, Manufacturing Base and Competitors
- Table 39. Fuji Electric Major Business
- Table 40. Fuji Electric Variable Frequency Drive (VFD) Product and Services
- Table 41. Fuji Electric Variable Frequency Drive (VFD) Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Fuji Electric Recent Developments/Updates
- Table 43. Inovance Technology Basic Information, Manufacturing Base and Competitors
- Table 44. Inovance Technology Major Business
- Table 45. Inovance Technology Variable Frequency Drive (VFD) Product and Services
- Table 46. Inovance Technology Variable Frequency Drive (VFD) Sales Quantity (K
- Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Inovance Technology Recent Developments/Updates
- Table 48. Delta Basic Information, Manufacturing Base and Competitors
- Table 49. Delta Major Business
- Table 50. Delta Variable Frequency Drive (VFD) Product and Services
- Table 51. Delta Variable Frequency Drive (VFD) Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Delta Recent Developments/Updates
- Table 53. GE Power Conversion Basic Information, Manufacturing Base and Competitors
- Table 54. GE Power Conversion Major Business



Table 55. GE Power Conversion Variable Frequency Drive (VFD) Product and Services

Table 56. GE Power Conversion Variable Frequency Drive (VFD) Sales Quantity (K

Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. GE Power Conversion Recent Developments/Updates

Table 58. INVT Basic Information, Manufacturing Base and Competitors

Table 59. INVT Major Business

Table 60. INVT Variable Frequency Drive (VFD) Product and Services

Table 61. INVT Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. INVT Recent Developments/Updates

Table 63. Hiconics Eco-energy Technology Basic Information, Manufacturing Base and Competitors

Table 64. Hiconics Eco-energy Technology Major Business

Table 65. Hiconics Eco-energy Technology Variable Frequency Drive (VFD) Product and Services

Table 66. Hiconics Eco-energy Technology Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Hiconics Eco-energy Technology Recent Developments/Updates

Table 68. VEICHI Basic Information, Manufacturing Base and Competitors

Table 69. VEICHI Major Business

Table 70. VEICHI Variable Frequency Drive (VFD) Product and Services

Table 71. VEICHI Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. VEICHI Recent Developments/Updates

Table 73. HopeSenlan Science and Technology Basic Information, Manufacturing Base and Competitors

Table 74. HopeSenlan Science and Technology Major Business

Table 75. HopeSenlan Science and Technology Variable Frequency Drive (VFD)

**Product and Services** 

Table 76. HopeSenlan Science and Technology Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. HopeSenlan Science and Technology Recent Developments/Updates

Table 78. EURA DRIVES Basic Information, Manufacturing Base and Competitors

Table 79. EURA DRIVES Major Business

Table 80. EURA DRIVES Variable Frequency Drive (VFD) Product and Services

Table 81. EURA DRIVES Variable Frequency Drive (VFD) Sales Quantity (K Units),



Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. EURA DRIVES Recent Developments/Updates

Table 83. POWTRAN Basic Information, Manufacturing Base and Competitors

Table 84. POWTRAN Major Business

Table 85. POWTRAN Variable Frequency Drive (VFD) Product and Services

Table 86. POWTRAN Variable Frequency Drive (VFD) Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 87. POWTRAN Recent Developments/Updates

Table 88. Sichuan Jialing Electrical Basic Information, Manufacturing Base and Competitors

Table 89. Sichuan Jialing Electrical Major Business

Table 90. Sichuan Jialing Electrical Variable Frequency Drive (VFD) Product and Services

Table 91. Sichuan Jialing Electrical Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 92. Sichuan Jialing Electrical Recent Developments/Updates

Table 93. Xinfengguang Electronics Basic Information, Manufacturing Base and Competitors

Table 94. Xinfengguang Electronics Major Business

Table 95. Xinfengguang Electronics Variable Frequency Drive (VFD) Product and Services

Table 96. Xinfengguang Electronics Variable Frequency Drive (VFD) Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 97. Xinfengguang Electronics Recent Developments/Updates

Table 98. SINEE Basic Information, Manufacturing Base and Competitors

Table 99. SINEE Major Business

Table 100. SINEE Variable Frequency Drive (VFD) Product and Services

Table 101. SINEE Variable Frequency Drive (VFD) Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 102. SINEE Recent Developments/Updates

Table 103. Global Variable Frequency Drive (VFD) Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 104. Global Variable Frequency Drive (VFD) Revenue by Manufacturer (2019-2024) & (USD Million)

Table 105. Global Variable Frequency Drive (VFD) Average Price by Manufacturer



(2019-2024) & (US\$/Unit)

Table 106. Market Position of Manufacturers in Variable Frequency Drive (VFD), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 107. Head Office and Variable Frequency Drive (VFD) Production Site of Key Manufacturer

Table 108. Variable Frequency Drive (VFD) Market: Company Product Type Footprint

Table 109. Variable Frequency Drive (VFD) Market: Company Product Application Footprint

Table 110. Variable Frequency Drive (VFD) New Market Entrants and Barriers to Market Entry

Table 111. Variable Frequency Drive (VFD) Mergers, Acquisition, Agreements, and Collaborations

Table 112. Global Variable Frequency Drive (VFD) Sales Quantity by Region (2019-2024) & (K Units)

Table 113. Global Variable Frequency Drive (VFD) Sales Quantity by Region (2025-2030) & (K Units)

Table 114. Global Variable Frequency Drive (VFD) Consumption Value by Region (2019-2024) & (USD Million)

Table 115. Global Variable Frequency Drive (VFD) Consumption Value by Region (2025-2030) & (USD Million)

Table 116. Global Variable Frequency Drive (VFD) Average Price by Region (2019-2024) & (US\$/Unit)

Table 117. Global Variable Frequency Drive (VFD) Average Price by Region (2025-2030) & (US\$/Unit)

Table 118. Global Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 119. Global Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 120. Global Variable Frequency Drive (VFD) Consumption Value by Type (2019-2024) & (USD Million)

Table 121. Global Variable Frequency Drive (VFD) Consumption Value by Type (2025-2030) & (USD Million)

Table 122. Global Variable Frequency Drive (VFD) Average Price by Type (2019-2024) & (US\$/Unit)

Table 123. Global Variable Frequency Drive (VFD) Average Price by Type (2025-2030) & (US\$/Unit)

Table 124. Global Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2024) & (K Units)

Table 125. Global Variable Frequency Drive (VFD) Sales Quantity by Application



(2025-2030) & (K Units)

Table 126. Global Variable Frequency Drive (VFD) Consumption Value by Application (2019-2024) & (USD Million)

Table 127. Global Variable Frequency Drive (VFD) Consumption Value by Application (2025-2030) & (USD Million)

Table 128. Global Variable Frequency Drive (VFD) Average Price by Application (2019-2024) & (US\$/Unit)

Table 129. Global Variable Frequency Drive (VFD) Average Price by Application (2025-2030) & (US\$/Unit)

Table 130. North America Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 131. North America Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 132. North America Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2024) & (K Units)

Table 133. North America Variable Frequency Drive (VFD) Sales Quantity by Application (2025-2030) & (K Units)

Table 134. North America Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2024) & (K Units)

Table 135. North America Variable Frequency Drive (VFD) Sales Quantity by Country (2025-2030) & (K Units)

Table 136. North America Variable Frequency Drive (VFD) Consumption Value by Country (2019-2024) & (USD Million)

Table 137. North America Variable Frequency Drive (VFD) Consumption Value by Country (2025-2030) & (USD Million)

Table 138. Europe Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 139. Europe Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 140. Europe Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2024) & (K Units)

Table 141. Europe Variable Frequency Drive (VFD) Sales Quantity by Application (2025-2030) & (K Units)

Table 142. Europe Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2024) & (K Units)

Table 143. Europe Variable Frequency Drive (VFD) Sales Quantity by Country (2025-2030) & (K Units)

Table 144. Europe Variable Frequency Drive (VFD) Consumption Value by Country (2019-2024) & (USD Million)



Table 145. Europe Variable Frequency Drive (VFD) Consumption Value by Country (2025-2030) & (USD Million)

Table 146. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 147. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 148. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2024) & (K Units)

Table 149. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Application (2025-2030) & (K Units)

Table 150. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Region (2019-2024) & (K Units)

Table 151. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity by Region (2025-2030) & (K Units)

Table 152. Asia-Pacific Variable Frequency Drive (VFD) Consumption Value by Region (2019-2024) & (USD Million)

Table 153. Asia-Pacific Variable Frequency Drive (VFD) Consumption Value by Region (2025-2030) & (USD Million)

Table 154. South America Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 155. South America Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 156. South America Variable Frequency Drive (VFD) Sales Quantity by Application (2019-2024) & (K Units)

Table 157. South America Variable Frequency Drive (VFD) Sales Quantity by Application (2025-2030) & (K Units)

Table 158. South America Variable Frequency Drive (VFD) Sales Quantity by Country (2019-2024) & (K Units)

Table 159. South America Variable Frequency Drive (VFD) Sales Quantity by Country (2025-2030) & (K Units)

Table 160. South America Variable Frequency Drive (VFD) Consumption Value by Country (2019-2024) & (USD Million)

Table 161. South America Variable Frequency Drive (VFD) Consumption Value by Country (2025-2030) & (USD Million)

Table 162. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Type (2019-2024) & (K Units)

Table 163. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Type (2025-2030) & (K Units)

Table 164. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by



Application (2019-2024) & (K Units)

Table 165. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Application (2025-2030) & (K Units)

Table 166. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Region (2019-2024) & (K Units)

Table 167. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity by Region (2025-2030) & (K Units)

Table 168. Middle East & Africa Variable Frequency Drive (VFD) Consumption Value by Region (2019-2024) & (USD Million)

Table 169. Middle East & Africa Variable Frequency Drive (VFD) Consumption Value by Region (2025-2030) & (USD Million)

Table 170. Variable Frequency Drive (VFD) Raw Material

Table 171. Key Manufacturers of Variable Frequency Drive (VFD) Raw Materials

Table 172. Variable Frequency Drive (VFD) Typical Distributors

Table 173. Variable Frequency Drive (VFD) Typical Customers



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Variable Frequency Drive (VFD) Picture

Figure 2. Global Variable Frequency Drive (VFD) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Type in 2023

Figure 4. MV and LV Frequency Converter Examples

Figure 5. High Voltage Frequency Converter Examples

Figure 6. Global Variable Frequency Drive (VFD) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Application in 2023

Figure 8. Electric Power Examples

Figure 9. Mining Examples

Figure 10. Metallurgical Examples

Figure 11. Petrochemical Examples

Figure 12. Building Materials Examples

Figure 13. Others Examples

Figure 14. Global Variable Frequency Drive (VFD) Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Variable Frequency Drive (VFD) Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 16. Global Variable Frequency Drive (VFD) Sales Quantity (2019-2030) & (K Units)

Figure 17. Global Variable Frequency Drive (VFD) Average Price (2019-2030) & (US\$/Unit)

Figure 18. Global Variable Frequency Drive (VFD) Sales Quantity Market Share by Manufacturer in 2023

Figure 19. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Manufacturer in 2023

Figure 20. Producer Shipments of Variable Frequency Drive (VFD) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 21. Top 3 Variable Frequency Drive (VFD) Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Top 6 Variable Frequency Drive (VFD) Manufacturer (Consumption Value) Market Share in 2023



Figure 23. Global Variable Frequency Drive (VFD) Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Variable Frequency Drive (VFD) Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Variable Frequency Drive (VFD) Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Variable Frequency Drive (VFD) Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Variable Frequency Drive (VFD) Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Variable Frequency Drive (VFD) Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Variable Frequency Drive (VFD) Average Price by Type (2019-2030) & (US\$/Unit)

Figure 33. Global Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Variable Frequency Drive (VFD) Consumption Value Market Share by Application (2019-2030)

Figure 35. Global Variable Frequency Drive (VFD) Average Price by Application (2019-2030) & (US\$/Unit)

Figure 36. North America Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Variable Frequency Drive (VFD) Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Variable Frequency Drive (VFD) Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Canada Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Mexico Variable Frequency Drive (VFD) Consumption Value and Growth



Rate (2019-2030) & (USD Million)

Figure 43. Europe Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 44. Europe Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 45. Europe Variable Frequency Drive (VFD) Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe Variable Frequency Drive (VFD) Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. France Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. United Kingdom Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Russia Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Italy Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 53. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific Variable Frequency Drive (VFD) Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific Variable Frequency Drive (VFD) Consumption Value Market Share by Region (2019-2030)

Figure 56. China Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Japan Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Korea Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. India Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Southeast Asia Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Australia Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)



Figure 62. South America Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 63. South America Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 64. South America Variable Frequency Drive (VFD) Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America Variable Frequency Drive (VFD) Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Argentina Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa Variable Frequency Drive (VFD) Sales Quantity Market Share by Region (2019-2030)

Figure 71. Middle East & Africa Variable Frequency Drive (VFD) Consumption Value Market Share by Region (2019-2030)

Figure 72. Turkey Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Egypt Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Saudi Arabia Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. South Africa Variable Frequency Drive (VFD) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Variable Frequency Drive (VFD) Market Drivers

Figure 77. Variable Frequency Drive (VFD) Market Restraints

Figure 78. Variable Frequency Drive (VFD) Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Variable Frequency Drive (VFD) in 2023

Figure 81. Manufacturing Process Analysis of Variable Frequency Drive (VFD)

Figure 82. Variable Frequency Drive (VFD) Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons



Figure 86. Methodology

Figure 87. Research Process and Data Source



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