

Global Automotive Electromagnetic Fan Clutch Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automotive Electromagnetic Fan Clutch market size is expected to reach \$ 1177 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Automotive electromagnetic fan clutches are fan drive control components used in the engine cooling systems of internal combustion engine vehicles (passenger and commercial), heavy-duty trucks, and construction machinery. They operate by engaging or disengaging the clutch via an electromagnetic coil, allowing the cooling fan to run only when needed; this reduces engine power loss, noise, and fuel consumption.

Upstream components include electromagnetic coils, friction discs, bearings, hubs, springs, steel/aluminum housings, sensors, controllers, wiring harnesses, and seals. Downstream markets primarily include passenger vehicles, heavy-duty trucks, buses, construction machinery, agricultural equipment, engine manufacturers, vehicle OEMs, and the aftermarket.

The global market features an average unit price of \$180, with sales volume of approximately 4.69 million units, an annual production capacity of about 5 million units, and an industry profit margin of around 27%.

Future market growth will be driven by energy-saving and emission-reduction requirements for commercial vehicles, the need for precise engine thermal management, and increasingly stringent emission regulations. Demand for electromagnetic fan clutches will remain stable across diesel vehicles, heavy-duty trucks, buses, construction machinery, and non-road equipment. Compared to traditional mechanical fans, their 'on-demand' control capability helps reduce fuel

consumption and noise, making them ideal for high-load engine cooling applications. While applications in battery electric vehicles (BEVs) are limited, hybrid vehicles, extended-range electric vehicles (EREVs), and internal combustion commercial vehicles continue to require efficient cooling systems. Future product development will focus on faster response times, lower energy consumption, longer service life, lightweighting, and integration with sensors and ECUs, while the aftermarket replacement sector will also sustain demand.

This report studies the global Automotive Electromagnetic Fan Clutch production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Electromagnetic Fan Clutch 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 Automotive Electromagnetic Fan Clutch that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive Electromagnetic Fan Clutch total production and demand, 2021-2032, (K Units)

Global Automotive Electromagnetic Fan Clutch total production value, 2021-2032, (USD Million)

Global Automotive Electromagnetic Fan Clutch production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Automotive Electromagnetic Fan Clutch consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Automotive Electromagnetic Fan Clutch domestic production, consumption, key domestic manufacturers and share

Global Automotive Electromagnetic Fan Clutch production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Automotive Electromagnetic Fan Clutch production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Automotive Electromagnetic Fan Clutch production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automotive Electromagnetic Fan Clutch 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 Solero Technologies, LICOS Trucktec, Horton, Warner Electric, Ogura Clutch, BorgWarner, MAHLE, Hayden Automotive, American Cooling Systems, Xuelong Group, 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 Automotive Electromagnetic Fan Clutch 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 Automotive Electromagnetic Fan Clutch Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive Electromagnetic Fan Clutch Market, Segmentation by Type:

PWM-Controlled

On-Off

ECU-Controlled

Temperature-Controlled

Pressure-Signal-Controlled

Global Automotive Electromagnetic Fan Clutch Market, Segmentation by Voltage:

12V Electronic Viscous Fan Clutch

24V Electronic Viscous Fan Clutch

48V Electronic Viscous Fan Clutch

Global Automotive Electromagnetic Fan Clutch Market, Segmentation by Mounting Type:

Engine-Mounted

Pulley-Mounted

Water-Pump-Mounted

Bracket-Mounted

Global Automotive Electromagnetic Fan Clutch Market, Segmentation by Application:

Commercial Vehicle

Passenger Vehicle

Companies Profiled:

Solero Technologies

LICOS Trucktec

Horton

Warner Electric

Ogura Clutch

BorgWarner

MAHLE

Hayden Automotive

American Cooling Systems

Xuelong Group

BorgWarner Shenglong

Longkou Zhongyu

Longzhong Holding

Jiangsu Geldon Transmission

Key Questions Answered:

1. How big is the global Automotive Electromagnetic Fan Clutch market?
2. What is the demand of the global Automotive Electromagnetic Fan Clutch market?
3. What is the year over year growth of the global Automotive Electromagnetic Fan Clutch market?
4. What is the production and production value of the global Automotive Electromagnetic Fan Clutch market?
5. Who are the key producers in the global Automotive Electromagnetic Fan Clutch

market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Automotive Electromagnetic Fan Clutch Introduction
- 1.2 World Automotive Electromagnetic Fan Clutch Supply & Forecast
 - 1.2.1 World Automotive Electromagnetic Fan Clutch Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Automotive Electromagnetic Fan Clutch Production (2021-2032)
 - 1.2.3 World Automotive Electromagnetic Fan Clutch Pricing Trends (2021-2032)
- 1.3 World Automotive Electromagnetic Fan Clutch Production by Region (Based on Production Site)
 - 1.3.1 World Automotive Electromagnetic Fan Clutch Production Value by Region (2021-2032)
 - 1.3.2 World Automotive Electromagnetic Fan Clutch Production by Region (2021-2032)
 - 1.3.3 World Automotive Electromagnetic Fan Clutch Average Price by Region (2021-2032)
 - 1.3.4 North America Automotive Electromagnetic Fan Clutch Production (2021-2032)
 - 1.3.5 Europe Automotive Electromagnetic Fan Clutch Production (2021-2032)
 - 1.3.6 China Automotive Electromagnetic Fan Clutch Production (2021-2032)
 - 1.3.7 Japan Automotive Electromagnetic Fan Clutch Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Automotive Electromagnetic Fan Clutch Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Automotive Electromagnetic Fan Clutch Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Automotive Electromagnetic Fan Clutch Demand (2021-2032)
- 2.2 World Automotive Electromagnetic Fan Clutch Consumption by Region
 - 2.2.1 World Automotive Electromagnetic Fan Clutch Consumption by Region (2021-2026)
 - 2.2.2 World Automotive Electromagnetic Fan Clutch Consumption Forecast by Region (2027-2032)
- 2.3 United States Automotive Electromagnetic Fan Clutch Consumption (2021-2032)
- 2.4 China Automotive Electromagnetic Fan Clutch Consumption (2021-2032)
- 2.5 Europe Automotive Electromagnetic Fan Clutch Consumption (2021-2032)
- 2.6 Japan Automotive Electromagnetic Fan Clutch Consumption (2021-2032)

- 2.7 South Korea Automotive Electromagnetic Fan Clutch Consumption (2021-2032)
- 2.8 ASEAN Automotive Electromagnetic Fan Clutch Consumption (2021-2032)
- 2.9 India Automotive Electromagnetic Fan Clutch Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Automotive Electromagnetic Fan Clutch Production Value by Manufacturer (2021-2026)
- 3.2 World Automotive Electromagnetic Fan Clutch Production by Manufacturer (2021-2026)
- 3.3 World Automotive Electromagnetic Fan Clutch Average Price by Manufacturer (2021-2026)
- 3.4 Automotive Electromagnetic Fan Clutch Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Automotive Electromagnetic Fan Clutch Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Automotive Electromagnetic Fan Clutch in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Automotive Electromagnetic Fan Clutch in 2025
- 3.6 Automotive Electromagnetic Fan Clutch Market: Overall Company Footprint Analysis
 - 3.6.1 Automotive Electromagnetic Fan Clutch Market: Region Footprint
 - 3.6.2 Automotive Electromagnetic Fan Clutch Market: Company Product Type Footprint
 - 3.6.3 Automotive Electromagnetic Fan Clutch Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Automotive Electromagnetic Fan Clutch Production Value Comparison
 - 4.1.1 United States VS China: Automotive Electromagnetic Fan Clutch Production

Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Automotive Electromagnetic Fan Clutch Production

Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Automotive Electromagnetic Fan Clutch Production Comparison

4.2.1 United States VS China: Automotive Electromagnetic Fan Clutch Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Automotive Electromagnetic Fan Clutch Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Automotive Electromagnetic Fan Clutch Consumption Comparison

4.3.1 United States VS China: Automotive Electromagnetic Fan Clutch Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Automotive Electromagnetic Fan Clutch Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Automotive Electromagnetic Fan Clutch Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value (2021-2026)

4.4.3 United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production (2021-2026)

4.5 China Based Automotive Electromagnetic Fan Clutch Manufacturers and Market Share

4.5.1 China Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value (2021-2026)

4.5.3 China Based Manufacturers Automotive Electromagnetic Fan Clutch Production (2021-2026)

4.6 Rest of World Based Automotive Electromagnetic Fan Clutch Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Automotive Electromagnetic Fan Clutch Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 PWM-Controlled

5.2.2 On-Off

5.2.3 ECU-Controlled

5.2.4 Temperature-Controlled

5.2.5 Pressure-Signal-Controlled

5.3 Market Segment by Type

5.3.1 World Automotive Electromagnetic Fan Clutch Production by Type (2021-2032)

5.3.2 World Automotive Electromagnetic Fan Clutch Production Value by Type (2021-2032)

5.3.3 World Automotive Electromagnetic Fan Clutch Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY VOLTAGE

6.1 World Automotive Electromagnetic Fan Clutch Market Size Overview by Voltage: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Voltage

6.2.1 12V Electronic Viscous Fan Clutch

6.2.2 24V Electronic Viscous Fan Clutch

6.2.3 48V Electronic Viscous Fan Clutch

6.3 Market Segment by Voltage

6.3.1 World Automotive Electromagnetic Fan Clutch Production by Voltage (2021-2032)

6.3.2 World Automotive Electromagnetic Fan Clutch Production Value by Voltage (2021-2032)

6.3.3 World Automotive Electromagnetic Fan Clutch Average Price by Voltage (2021-2032)

7 MARKET ANALYSIS BY MOUNTING TYPE

7.1 World Automotive Electromagnetic Fan Clutch Market Size Overview by Mounting Type: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Mounting Type

7.2.1 Engine-Mounted

7.2.2 Pulley-Mounted

7.2.3 Water-Pump-Mounted

7.2.4 Bracket-Mounted

7.3 Market Segment by Mounting Type

7.3.1 World Automotive Electromagnetic Fan Clutch Production by Mounting Type (2021-2032)

7.3.2 World Automotive Electromagnetic Fan Clutch Production Value by Mounting Type (2021-2032)

7.3.3 World Automotive Electromagnetic Fan Clutch Average Price by Mounting Type (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Automotive Electromagnetic Fan Clutch Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Commercial Vehicle

8.2.2 Passenger Vehicle

8.3 Market Segment by Application

8.3.1 World Automotive Electromagnetic Fan Clutch Production by Application (2021-2032)

8.3.2 World Automotive Electromagnetic Fan Clutch Production Value by Application (2021-2032)

8.3.3 World Automotive Electromagnetic Fan Clutch Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Solero Technologies

9.1.1 Solero Technologies Details

9.1.2 Solero Technologies Major Business

9.1.3 Solero Technologies Automotive Electromagnetic Fan Clutch Product and Services

9.1.4 Solero Technologies Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Solero Technologies Recent Developments/Updates

9.1.6 Solero Technologies Competitive Strengths & Weaknesses

9.2 LICOS Trucktec

- 9.2.1 LICOS Trucktec Details
- 9.2.2 LICOS Trucktec Major Business
- 9.2.3 LICOS Trucktec Automotive Electromagnetic Fan Clutch Product and Services
- 9.2.4 LICOS Trucktec Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 LICOS Trucktec Recent Developments/Updates
- 9.2.6 LICOS Trucktec Competitive Strengths & Weaknesses
- 9.3 Horton
 - 9.3.1 Horton Details
 - 9.3.2 Horton Major Business
 - 9.3.3 Horton Automotive Electromagnetic Fan Clutch Product and Services
 - 9.3.4 Horton Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Horton Recent Developments/Updates
 - 9.3.6 Horton Competitive Strengths & Weaknesses
- 9.4 Warner Electric
 - 9.4.1 Warner Electric Details
 - 9.4.2 Warner Electric Major Business
 - 9.4.3 Warner Electric Automotive Electromagnetic Fan Clutch Product and Services
 - 9.4.4 Warner Electric Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Warner Electric Recent Developments/Updates
 - 9.4.6 Warner Electric Competitive Strengths & Weaknesses
- 9.5 Ogura Clutch
 - 9.5.1 Ogura Clutch Details
 - 9.5.2 Ogura Clutch Major Business
 - 9.5.3 Ogura Clutch Automotive Electromagnetic Fan Clutch Product and Services
 - 9.5.4 Ogura Clutch Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Ogura Clutch Recent Developments/Updates
 - 9.5.6 Ogura Clutch Competitive Strengths & Weaknesses
- 9.6 BorgWarner
 - 9.6.1 BorgWarner Details
 - 9.6.2 BorgWarner Major Business
 - 9.6.3 BorgWarner Automotive Electromagnetic Fan Clutch Product and Services
 - 9.6.4 BorgWarner Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 BorgWarner Recent Developments/Updates
 - 9.6.6 BorgWarner Competitive Strengths & Weaknesses

9.7 MAHLE

9.7.1 MAHLE Details

9.7.2 MAHLE Major Business

9.7.3 MAHLE Automotive Electromagnetic Fan Clutch Product and Services

9.7.4 MAHLE Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 MAHLE Recent Developments/Updates

9.7.6 MAHLE Competitive Strengths & Weaknesses

9.8 Hayden Automotive

9.8.1 Hayden Automotive Details

9.8.2 Hayden Automotive Major Business

9.8.3 Hayden Automotive Automotive Electromagnetic Fan Clutch Product and Services

9.8.4 Hayden Automotive Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Hayden Automotive Recent Developments/Updates

9.8.6 Hayden Automotive Competitive Strengths & Weaknesses

9.9 American Cooling Systems

9.9.1 American Cooling Systems Details

9.9.2 American Cooling Systems Major Business

9.9.3 American Cooling Systems Automotive Electromagnetic Fan Clutch Product and Services

9.9.4 American Cooling Systems Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 American Cooling Systems Recent Developments/Updates

9.9.6 American Cooling Systems Competitive Strengths & Weaknesses

9.10 Xuelong Group

9.10.1 Xuelong Group Details

9.10.2 Xuelong Group Major Business

9.10.3 Xuelong Group Automotive Electromagnetic Fan Clutch Product and Services

9.10.4 Xuelong Group Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Xuelong Group Recent Developments/Updates

9.10.6 Xuelong Group Competitive Strengths & Weaknesses

9.11 BorgWarner Shenglong

9.11.1 BorgWarner Shenglong Details

9.11.2 BorgWarner Shenglong Major Business

9.11.3 BorgWarner Shenglong Automotive Electromagnetic Fan Clutch Product and Services

- 9.11.4 BorgWarner Shenglong Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 BorgWarner Shenglong Recent Developments/Updates
- 9.11.6 BorgWarner Shenglong Competitive Strengths & Weaknesses
- 9.12 Longkou Zhongyu
 - 9.12.1 Longkou Zhongyu Details
 - 9.12.2 Longkou Zhongyu Major Business
 - 9.12.3 Longkou Zhongyu Automotive Electromagnetic Fan Clutch Product and Services
 - 9.12.4 Longkou Zhongyu Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Longkou Zhongyu Recent Developments/Updates
 - 9.12.6 Longkou Zhongyu Competitive Strengths & Weaknesses
- 9.13 Longzhong Holding
 - 9.13.1 Longzhong Holding Details
 - 9.13.2 Longzhong Holding Major Business
 - 9.13.3 Longzhong Holding Automotive Electromagnetic Fan Clutch Product and Services
 - 9.13.4 Longzhong Holding Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Longzhong Holding Recent Developments/Updates
 - 9.13.6 Longzhong Holding Competitive Strengths & Weaknesses
- 9.14 Jiangsu Geldon Transmission
 - 9.14.1 Jiangsu Geldon Transmission Details
 - 9.14.2 Jiangsu Geldon Transmission Major Business
 - 9.14.3 Jiangsu Geldon Transmission Automotive Electromagnetic Fan Clutch Product and Services
 - 9.14.4 Jiangsu Geldon Transmission Automotive Electromagnetic Fan Clutch Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Jiangsu Geldon Transmission Recent Developments/Updates
 - 9.14.6 Jiangsu Geldon Transmission Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Automotive Electromagnetic Fan Clutch Industry Chain
- 10.2 Automotive Electromagnetic Fan Clutch Upstream Analysis
 - 10.2.1 Automotive Electromagnetic Fan Clutch Core Raw Materials
 - 10.2.2 Main Manufacturers of Automotive Electromagnetic Fan Clutch Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Automotive Electromagnetic Fan Clutch Production Mode

10.6 Automotive Electromagnetic Fan Clutch Procurement Model

10.7 Automotive Electromagnetic Fan Clutch Industry Sales Model and Sales Channels

10.7.1 Automotive Electromagnetic Fan Clutch Sales Model

10.7.2 Automotive Electromagnetic Fan Clutch Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Automotive Electromagnetic Fan Clutch Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Automotive Electromagnetic Fan Clutch Production Value by Region (2021-2026) & (USD Million)

Table 3. World Automotive Electromagnetic Fan Clutch Production Value by Region (2027-2032) & (USD Million)

Table 4. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Region (2021-2026)

Table 5. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Region (2027-2032)

Table 6. World Automotive Electromagnetic Fan Clutch Production by Region (2021-2026) & (K Units)

Table 7. World Automotive Electromagnetic Fan Clutch Production by Region (2027-2032) & (K Units)

Table 8. World Automotive Electromagnetic Fan Clutch Production Market Share by Region (2021-2026)

Table 9. World Automotive Electromagnetic Fan Clutch Production Market Share by Region (2027-2032)

Table 10. World Automotive Electromagnetic Fan Clutch Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Automotive Electromagnetic Fan Clutch Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Automotive Electromagnetic Fan Clutch Major Market Trends

Table 13. World Automotive Electromagnetic Fan Clutch Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Automotive Electromagnetic Fan Clutch Consumption by Region (2021-2026) & (K Units)

Table 15. World Automotive Electromagnetic Fan Clutch Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Automotive Electromagnetic Fan Clutch Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Automotive Electromagnetic Fan Clutch Producers in 2025

Table 18. World Automotive Electromagnetic Fan Clutch Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Automotive Electromagnetic Fan Clutch Producers in 2025

Table 20. World Automotive Electromagnetic Fan Clutch Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Automotive Electromagnetic Fan Clutch Company Evaluation Quadrant

Table 22. World Automotive Electromagnetic Fan Clutch Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Automotive Electromagnetic Fan Clutch Production Site of Key Manufacturer

Table 24. Automotive Electromagnetic Fan Clutch Market: Company Product Type Footprint

Table 25. Automotive Electromagnetic Fan Clutch Market: Company Product Application Footprint

Table 26. Automotive Electromagnetic Fan Clutch Competitive Factors

Table 27. Automotive Electromagnetic Fan Clutch New Entrant and Capacity Expansion Plans

Table 28. Automotive Electromagnetic Fan Clutch Mergers & Acquisitions Activity

Table 29. United States VS China Automotive Electromagnetic Fan Clutch Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Automotive Electromagnetic Fan Clutch Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Automotive Electromagnetic Fan Clutch Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share (2021-2026)

Table 37. China Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Automotive Electromagnetic Fan Clutch

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Automotive Electromagnetic Fan Clutch Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share (2021-2026)

Table 42. Rest of World Based Automotive Electromagnetic Fan Clutch Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share (2021-2026)

Table 47. World Automotive Electromagnetic Fan Clutch Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Automotive Electromagnetic Fan Clutch Production by Type (2021-2026) & (K Units)

Table 49. World Automotive Electromagnetic Fan Clutch Production by Type (2027-2032) & (K Units)

Table 50. World Automotive Electromagnetic Fan Clutch Production Value by Type (2021-2026) & (USD Million)

Table 51. World Automotive Electromagnetic Fan Clutch Production Value by Type (2027-2032) & (USD Million)

Table 52. World Automotive Electromagnetic Fan Clutch Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Automotive Electromagnetic Fan Clutch Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Automotive Electromagnetic Fan Clutch Production Value by Voltage, (USD Million), 2021 & 2025 & 2032

Table 55. World Automotive Electromagnetic Fan Clutch Production by Voltage (2021-2026) & (K Units)

Table 56. World Automotive Electromagnetic Fan Clutch Production by Voltage (2027-2032) & (K Units)

Table 57. World Automotive Electromagnetic Fan Clutch Production Value by Voltage (2021-2026) & (USD Million)

Table 58. World Automotive Electromagnetic Fan Clutch Production Value by Voltage (2027-2032) & (USD Million)

Table 59. World Automotive Electromagnetic Fan Clutch Average Price by Voltage (2021-2026) & (US\$/Unit)

Table 60. World Automotive Electromagnetic Fan Clutch Average Price by Voltage (2027-2032) & (US\$/Unit)

Table 61. World Automotive Electromagnetic Fan Clutch Production Value by Mounting Type, (USD Million), 2021 & 2025 & 2032

Table 62. World Automotive Electromagnetic Fan Clutch Production by Mounting Type (2021-2026) & (K Units)

Table 63. World Automotive Electromagnetic Fan Clutch Production by Mounting Type (2027-2032) & (K Units)

Table 64. World Automotive Electromagnetic Fan Clutch Production Value by Mounting Type (2021-2026) & (USD Million)

Table 65. World Automotive Electromagnetic Fan Clutch Production Value by Mounting Type (2027-2032) & (USD Million)

Table 66. World Automotive Electromagnetic Fan Clutch Average Price by Mounting Type (2021-2026) & (US\$/Unit)

Table 67. World Automotive Electromagnetic Fan Clutch Average Price by Mounting Type (2027-2032) & (US\$/Unit)

Table 68. World Automotive Electromagnetic Fan Clutch Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Automotive Electromagnetic Fan Clutch Production by Application (2021-2026) & (K Units)

Table 70. World Automotive Electromagnetic Fan Clutch Production by Application (2027-2032) & (K Units)

Table 71. World Automotive Electromagnetic Fan Clutch Production Value by Application (2021-2026) & (USD Million)

Table 72. World Automotive Electromagnetic Fan Clutch Production Value by Application (2027-2032) & (USD Million)

Table 73. World Automotive Electromagnetic Fan Clutch Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Automotive Electromagnetic Fan Clutch Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Solero Technologies Basic Information, Manufacturing Base and Competitors

Table 76. Solero Technologies Major Business

Table 77. Solero Technologies Automotive Electromagnetic Fan Clutch Product and Services

Table 78. Solero Technologies Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Solero Technologies Recent Developments/Updates
Table 80. Solero Technologies Competitive Strengths & Weaknesses
Table 81. LICOS Trucktec Basic Information, Manufacturing Base and Competitors
Table 82. LICOS Trucktec Major Business
Table 83. LICOS Trucktec Automotive Electromagnetic Fan Clutch Product and Services
Table 84. LICOS Trucktec Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. LICOS Trucktec Recent Developments/Updates
Table 86. LICOS Trucktec Competitive Strengths & Weaknesses
Table 87. Horton Basic Information, Manufacturing Base and Competitors
Table 88. Horton Major Business
Table 89. Horton Automotive Electromagnetic Fan Clutch Product and Services
Table 90. Horton Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Horton Recent Developments/Updates
Table 92. Horton Competitive Strengths & Weaknesses
Table 93. Warner Electric Basic Information, Manufacturing Base and Competitors
Table 94. Warner Electric Major Business
Table 95. Warner Electric Automotive Electromagnetic Fan Clutch Product and Services
Table 96. Warner Electric Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Warner Electric Recent Developments/Updates
Table 98. Warner Electric Competitive Strengths & Weaknesses
Table 99. Ogura Clutch Basic Information, Manufacturing Base and Competitors
Table 100. Ogura Clutch Major Business
Table 101. Ogura Clutch Automotive Electromagnetic Fan Clutch Product and Services
Table 102. Ogura Clutch Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Ogura Clutch Recent Developments/Updates
Table 104. Ogura Clutch Competitive Strengths & Weaknesses
Table 105. BorgWarner Basic Information, Manufacturing Base and Competitors
Table 106. BorgWarner Major Business
Table 107. BorgWarner Automotive Electromagnetic Fan Clutch Product and Services
Table 108. BorgWarner Automotive Electromagnetic Fan Clutch Production (K Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. BorgWarner Recent Developments/Updates

Table 110. BorgWarner Competitive Strengths & Weaknesses

Table 111. MAHLE Basic Information, Manufacturing Base and Competitors

Table 112. MAHLE Major Business

Table 113. MAHLE Automotive Electromagnetic Fan Clutch Product and Services

Table 114. MAHLE Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. MAHLE Recent Developments/Updates

Table 116. MAHLE Competitive Strengths & Weaknesses

Table 117. Hayden Automotive Basic Information, Manufacturing Base and Competitors

Table 118. Hayden Automotive Major Business

Table 119. Hayden Automotive Automotive Electromagnetic Fan Clutch Product and Services

Table 120. Hayden Automotive Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Hayden Automotive Recent Developments/Updates

Table 122. Hayden Automotive Competitive Strengths & Weaknesses

Table 123. American Cooling Systems Basic Information, Manufacturing Base and Competitors

Table 124. American Cooling Systems Major Business

Table 125. American Cooling Systems Automotive Electromagnetic Fan Clutch Product and Services

Table 126. American Cooling Systems Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. American Cooling Systems Recent Developments/Updates

Table 128. American Cooling Systems Competitive Strengths & Weaknesses

Table 129. Xuelong Group Basic Information, Manufacturing Base and Competitors

Table 130. Xuelong Group Major Business

Table 131. Xuelong Group Automotive Electromagnetic Fan Clutch Product and Services

Table 132. Xuelong Group Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Xuelong Group Recent Developments/Updates

Table 134. Xuelong Group Competitive Strengths & Weaknesses
Table 135. BorgWarner Shenglong Basic Information, Manufacturing Base and Competitors
Table 136. BorgWarner Shenglong Major Business
Table 137. BorgWarner Shenglong Automotive Electromagnetic Fan Clutch Product and Services
Table 138. BorgWarner Shenglong Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. BorgWarner Shenglong Recent Developments/Updates
Table 140. BorgWarner Shenglong Competitive Strengths & Weaknesses
Table 141. Longkou Zhongyu Basic Information, Manufacturing Base and Competitors
Table 142. Longkou Zhongyu Major Business
Table 143. Longkou Zhongyu Automotive Electromagnetic Fan Clutch Product and Services
Table 144. Longkou Zhongyu Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Longkou Zhongyu Recent Developments/Updates
Table 146. Longkou Zhongyu Competitive Strengths & Weaknesses
Table 147. Longzhong Holding Basic Information, Manufacturing Base and Competitors
Table 148. Longzhong Holding Major Business
Table 149. Longzhong Holding Automotive Electromagnetic Fan Clutch Product and Services
Table 150. Longzhong Holding Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Longzhong Holding Recent Developments/Updates
Table 152. Longzhong Holding Competitive Strengths & Weaknesses
Table 153. Jiangsu Geldon Transmission Basic Information, Manufacturing Base and Competitors
Table 154. Jiangsu Geldon Transmission Major Business
Table 155. Jiangsu Geldon Transmission Automotive Electromagnetic Fan Clutch Product and Services
Table 156. Jiangsu Geldon Transmission Automotive Electromagnetic Fan Clutch Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 157. Jiangsu Geldon Transmission Recent Developments/Updates
Table 158. Jiangsu Geldon Transmission Competitive Strengths & Weaknesses

Table 159. Global Key Players of Automotive Electromagnetic Fan Clutch Upstream
(Raw Materials)

Table 160. Global Automotive Electromagnetic Fan Clutch Typical Customers

Table 161. Automotive Electromagnetic Fan Clutch Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Automotive Electromagnetic Fan Clutch Picture

Figure 2. World Automotive Electromagnetic Fan Clutch Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Automotive Electromagnetic Fan Clutch Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Automotive Electromagnetic Fan Clutch Production (2021-2032) & (K Units)

Figure 5. World Automotive Electromagnetic Fan Clutch Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Region (2021-2032)

Figure 7. World Automotive Electromagnetic Fan Clutch Production Market Share by Region (2021-2032)

Figure 8. North America Automotive Electromagnetic Fan Clutch Production (2021-2032) & (K Units)

Figure 9. Europe Automotive Electromagnetic Fan Clutch Production (2021-2032) & (K Units)

Figure 10. China Automotive Electromagnetic Fan Clutch Production (2021-2032) & (K Units)

Figure 11. Japan Automotive Electromagnetic Fan Clutch Production (2021-2032) & (K Units)

Figure 12. Automotive Electromagnetic Fan Clutch Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 15. World Automotive Electromagnetic Fan Clutch Consumption Market Share by Region (2021-2032)

Figure 16. United States Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 17. China Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 18. Europe Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 19. Japan Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 20. South Korea Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 22. India Automotive Electromagnetic Fan Clutch Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Automotive Electromagnetic Fan Clutch by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Automotive Electromagnetic Fan Clutch Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Automotive Electromagnetic Fan Clutch Markets in 2025

Figure 26. United States VS China: Automotive Electromagnetic Fan Clutch Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Automotive Electromagnetic Fan Clutch Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Automotive Electromagnetic Fan Clutch Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share 2025

Figure 30. China Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Automotive Electromagnetic Fan Clutch Production Market Share 2025

Figure 32. World Automotive Electromagnetic Fan Clutch Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Type in 2025

Figure 34. PWM-Controlled

Figure 35. On-Off

Figure 36. ECU-Controlled

Figure 37. Temperature-Controlled

Figure 38. Pressure-Signal-Controlled

Figure 39. World Automotive Electromagnetic Fan Clutch Production Market Share by Type (2021-2032)

Figure 40. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Type (2021-2032)

Figure 41. World Automotive Electromagnetic Fan Clutch Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World Automotive Electromagnetic Fan Clutch Production Value by Voltage, (USD Million), 2021 & 2025 & 2032

Figure 43. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Voltage in 2025

Figure 44. 12V Electronic Viscous Fan Clutch

Figure 45. 24V Electronic Viscous Fan Clutch

Figure 46. 48V Electronic Viscous Fan Clutch

Figure 47. World Automotive Electromagnetic Fan Clutch Production Market Share by Voltage (2021-2032)

Figure 48. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Voltage (2021-2032)

Figure 49. World Automotive Electromagnetic Fan Clutch Average Price by Voltage (2021-2032) & (US\$/Unit)

Figure 50. World Automotive Electromagnetic Fan Clutch Production Value by Mounting Type, (USD Million), 2021 & 2025 & 2032

Figure 51. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Mounting Type in 2025

Figure 52. Engine-Mounted

Figure 53. Pulley-Mounted

Figure 54. Water-Pump-Mounted

Figure 55. Bracket-Mounted

Figure 56. World Automotive Electromagnetic Fan Clutch Production Market Share by Mounting Type (2021-2032)

Figure 57. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Mounting Type (2021-2032)

Figure 58. World Automotive Electromagnetic Fan Clutch Average Price by Mounting Type (2021-2032) & (US\$/Unit)

Figure 59. World Automotive Electromagnetic Fan Clutch Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Application in 2025

Figure 61. Commercial Vehicle

Figure 62. Passenger Vehicle

Figure 63. World Automotive Electromagnetic Fan Clutch Production Market Share by Application (2021-2032)

Figure 64. World Automotive Electromagnetic Fan Clutch Production Value Market Share by Application (2021-2032)

Figure 65. World Automotive Electromagnetic Fan Clutch Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Automotive Electromagnetic Fan Clutch Industry Chain

Figure 67. Automotive Electromagnetic Fan Clutch Procurement Model

Figure 68. Automotive Electromagnetic Fan Clutch Sales Model

Figure 69. Automotive Electromagnetic Fan Clutch Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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