

# Global Brushless Axial Fan Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Brushless Axial Fan market size was valued at US\$ 9187 million in 2025 and is forecast to a readjusted size of US\$ 14711 million by 2032 with a CAGR of 6.9% during review period.

In 2025, global sales of brushless axial fans reached 1.86 billion units, with an average selling price of \$4.8 per unit. Brushless axial fans are ventilation and heat dissipation devices that use brushless DC motors as the core drive unit and achieve continuous and stable airflow through electronic commutation. They are characterized by high efficiency, long lifespan, low noise, and low energy consumption, and are widely used in electronic heat dissipation and industrial ventilation. Their upstream raw materials mainly include silicon steel sheets, copper wire, permanent magnet materials (neodymium iron boron), engineering plastics, aluminum alloys, and PCB control boards. On average, a single unit consumes approximately 45 grams of copper, 120 grams of engineering plastics, and 8 grams of magnets. Key upstream suppliers are concentrated in motor material and electronic component companies, while downstream suppliers mainly include communication equipment manufacturers, server and data center manufacturers, home appliance manufacturers, automotive electronics manufacturers, and energy storage and new energy equipment manufacturers. In 2025, global total production capacity was approximately 2.2 billion units, with an industry average capacity utilization rate of approximately 85% and an overall gross profit margin ranging from 22% to 32%. In terms of downstream consumption, communications and data centers account for approximately 32%, home appliances approximately 28%, industrial equipment approximately 21%, and automotive electronics and new energy approximately 19%. With increasingly stringent energy-saving regulations, higher equipment density, and the expansion of AI computing

infrastructure, the demand for brushless axial fans in areas such as efficient heat dissipation, intelligent speed control, and customization continues to rise. In the future, they will have clear incremental business opportunities in server liquid cooling auxiliary heat dissipation, energy storage systems, and thermal management of new energy vehicles.

This report is a detailed and comprehensive analysis for global Brushless Axial Fan market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Brushless Axial Fan market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Brushless Axial Fan market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Brushless Axial Fan market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Brushless Axial Fan market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Brushless Axial Fan

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Brushless Axial Fan market based on the following parameters - company overview, sales quantity, revenue, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SPAL Automotive, Sofasco International, YS Tech USA, SHYUAN YA, Delta Electronics, Sunlight Motor, NIDEC CORPORATION, INFINAIR, CHANGFENG, Orion Fans, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Brushless Axial Fan market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### **Market segment by Type**

Voltage Speed Control

PWM Speed Control

Smart Interface

### **Market segment by Bearing Type**

Oil-impregnated Bearings

Ball Bearings

Hydraulic Bearings

Others

### **Market segment by Airflow**

Low Airflow:

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Brushless Axial Fan Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Voltage Speed Control

1.3.3 PWM Speed Control

1.3.4 Smart Interface

1.4 Market Analysis by Bearing Type

1.4.1 Overview: Global Brushless Axial Fan Consumption Value by Bearing Type: 2021 Versus 2025 Versus 2032

1.4.2 Oil-impregnated Bearings

1.4.3 Ball Bearings

1.4.4 Hydraulic Bearings

1.4.5 Others

1.5 Market Analysis by Airflow

1.5.1 Overview: Global Brushless Axial Fan Consumption Value by Airflow: 2021 Versus 2025 Versus 2032

1.5.2 Low Airflow:

## List Of Tables

### LIST OF TABLES

Table 1. Global Brushless Axial Fan Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Brushless Axial Fan Consumption Value by Bearing Type, (USD Million), 2021 & 2025 & 2032

Table 3. Global Brushless Axial Fan Consumption Value by Airflow, (USD Million), 2021 & 2025 & 2032

Table 4. Global Brushless Axial Fan Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. SPAL Automotive Basic Information, Manufacturing Base and Competitors

Table 6. SPAL Automotive Major Business

Table 7. SPAL Automotive Brushless Axial Fan Product and Services

Table 8. SPAL Automotive Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. SPAL Automotive Recent Developments/Updates

Table 10. Sofasco International Basic Information, Manufacturing Base and Competitors

Table 11. Sofasco International Major Business

Table 12. Sofasco International Brushless Axial Fan Product and Services

Table 13. Sofasco International Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Sofasco International Recent Developments/Updates

Table 15. YS Tech USA Basic Information, Manufacturing Base and Competitors

Table 16. YS Tech USA Major Business

Table 17. YS Tech USA Brushless Axial Fan Product and Services

Table 18. YS Tech USA Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. YS Tech USA Recent Developments/Updates

Table 20. SHYUAN YA Basic Information, Manufacturing Base and Competitors

Table 21. SHYUAN YA Major Business

Table 22. SHYUAN YA Brushless Axial Fan Product and Services

Table 23. SHYUAN YA Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. SHYUAN YA Recent Developments/Updates

Table 25. Delta Electronics Basic Information, Manufacturing Base and Competitors

Table 26. Delta Electronics Major Business

Table 27. Delta Electronics Brushless Axial Fan Product and Services

Table 28. Delta Electronics Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Delta Electronics Recent Developments/Updates

Table 30. Sunlight Motor Basic Information, Manufacturing Base and Competitors

Table 31. Sunlight Motor Major Business

Table 32. Sunlight Motor Brushless Axial Fan Product and Services

Table 33. Sunlight Motor Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Sunlight Motor Recent Developments/Updates

Table 35. NIDEC CORPORATION Basic Information, Manufacturing Base and Competitors

Table 36. NIDEC CORPORATION Major Business

Table 37. NIDEC CORPORATION Brushless Axial Fan Product and Services

Table 38. NIDEC CORPORATION Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. NIDEC CORPORATION Recent Developments/Updates

Table 40. INFINAIR Basic Information, Manufacturing Base and Competitors

Table 41. INFINAIR Major Business

Table 42. INFINAIR Brushless Axial Fan Product and Services

Table 43. INFINAIR Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. INFINAIR Recent Developments/Updates

Table 45. CHANGFENG Basic Information, Manufacturing Base and Competitors

Table 46. CHANGFENG Major Business

Table 47. CHANGFENG Brushless Axial Fan Product and Services

Table 48. CHANGFENG Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. CHANGFENG Recent Developments/Updates

Table 50. Orion Fans Basic Information, Manufacturing Base and Competitors

Table 51. Orion Fans Major Business

Table 52. Orion Fans Brushless Axial Fan Product and Services

Table 53. Orion Fans Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Orion Fans Recent Developments/Updates

Table 55. Sunta Motor Industry Basic Information, Manufacturing Base and Competitors

Table 56. Sunta Motor Industry Major Business

Table 57. Sunta Motor Industry Brushless Axial Fan Product and Services

Table 58. Sunta Motor Industry Brushless Axial Fan Sales Quantity (K Units), Average

- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. Sunta Motor Industry Recent Developments/Updates
- Table 60. Zhejiang Nicety Electric Machinery Co., Ltd. Basic Information, Manufacturing Base and Competitors
- Table 61. Zhejiang Nicety Electric Machinery Co., Ltd. Major Business
- Table 62. Zhejiang Nicety Electric Machinery Co., Ltd. Brushless Axial Fan Product and Services
- Table 63. Zhejiang Nicety Electric Machinery Co., Ltd. Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 64. Zhejiang Nicety Electric Machinery Co., Ltd. Recent Developments/Updates
- Table 65. FanBlower Basic Information, Manufacturing Base and Competitors
- Table 66. FanBlower Major Business
- Table 67. FanBlower Brushless Axial Fan Product and Services
- Table 68. FanBlower Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 69. FanBlower Recent Developments/Updates
- Table 70. Longwell Basic Information, Manufacturing Base and Competitors
- Table 71. Longwell Major Business
- Table 72. Longwell Brushless Axial Fan Product and Services
- Table 73. Longwell Brushless Axial Fan Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 74. Longwell Recent Developments/Updates
- Table 75. Global Brushless Axial Fan Sales Quantity by Manufacturer (2021-2026) & (K Units)
- Table 76. Global Brushless Axial Fan Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 77. Global Brushless Axial Fan Average Price by Manufacturer (2021-2026) & (US\$/Unit)
- Table 78. Market Position of Manufacturers in Brushless Axial Fan, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 79. Head Office and Brushless Axial Fan Production Site of Key Manufacturer
- Table 80. Brushless Axial Fan Market: Company Product Type Footprint
- Table 81. Brushless Axial Fan Market: Company Product Application Footprint
- Table 82. Brushless Axial Fan New Market Entrants and Barriers to Market Entry
- Table 83. Brushless Axial Fan Mergers, Acquisition, Agreements, and Collaborations
- Table 84. Global Brushless Axial Fan Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
- Table 85. Global Brushless Axial Fan Sales Quantity by Region (2021-2026) & (K Units)

Table 86. Global Brushless Axial Fan Sales Quantity by Region (2027-2032) & (K Units)

Table 87. Global Brushless Axial Fan Consumption Value by Region (2021-2026) & (USD Million)

Table 88. Global Brushless Axial Fan Consumption Value by Region (2027-2032) & (USD Million)

Table 89. Global Brushless Axial Fan Average Price by Region (2021-2026) & (US\$/Unit)

Table 90. Global Brushless Axial Fan Average Price by Region (2027-2032) & (US\$/Unit)

Table 91. Global Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 92. Global Brushless Axial Fan Sales Quantity by Type (2027-2032) & (K Units)

Table 93. Global Brushless Axial Fan Consumption Value by Type (2021-2026) & (USD Million)

Table 94. Global Brushless Axial Fan Consumption Value by Type (2027-2032) & (USD Million)

Table 95. Global Brushless Axial Fan Average Price by Type (2021-2026) & (US\$/Unit)

Table 96. Global Brushless Axial Fan Average Price by Type (2027-2032) & (US\$/Unit)

Table 97. Global Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 98. Global Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 99. Global Brushless Axial Fan Consumption Value by Application (2021-2026) & (USD Million)

Table 100. Global Brushless Axial Fan Consumption Value by Application (2027-2032) & (USD Million)

Table 101. Global Brushless Axial Fan Average Price by Application (2021-2026) & (US\$/Unit)

Table 102. Global Brushless Axial Fan Average Price by Application (2027-2032) & (US\$/Unit)

Table 103. North America Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 104. North America Brushless Axial Fan Sales Quantity by Type (2027-2032) & (K Units)

Table 105. North America Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 106. North America Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 107. North America Brushless Axial Fan Sales Quantity by Country (2021-2026) & (K Units)

Table 108. North America Brushless Axial Fan Sales Quantity by Country (2027-2032) & (K Units)

Table 109. North America Brushless Axial Fan Consumption Value by Country (2021-2026) & (USD Million)

Table 110. North America Brushless Axial Fan Consumption Value by Country (2027-2032) & (USD Million)

Table 111. Europe Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 112. Europe Brushless Axial Fan Sales Quantity by Type (2027-2032) & (K Units)

Table 113. Europe Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 114. Europe Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 115. Europe Brushless Axial Fan Sales Quantity by Country (2021-2026) & (K Units)

Table 116. Europe Brushless Axial Fan Sales Quantity by Country (2027-2032) & (K Units)

Table 117. Europe Brushless Axial Fan Consumption Value by Country (2021-2026) & (USD Million)

Table 118. Europe Brushless Axial Fan Consumption Value by Country (2027-2032) & (USD Million)

Table 119. Asia-Pacific Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 120. Asia-Pacific Brushless Axial Fan Sales Quantity by Type (2027-2032) & (K Units)

Table 121. Asia-Pacific Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 122. Asia-Pacific Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 123. Asia-Pacific Brushless Axial Fan Sales Quantity by Region (2021-2026) & (K Units)

Table 124. Asia-Pacific Brushless Axial Fan Sales Quantity by Region (2027-2032) & (K Units)

Table 125. Asia-Pacific Brushless Axial Fan Consumption Value by Region (2021-2026) & (USD Million)

Table 126. Asia-Pacific Brushless Axial Fan Consumption Value by Region (2027-2032) & (USD Million)

Table 127. South America Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 128. South America Brushless Axial Fan Sales Quantity by Type (2027-2032) &

(K Units)

Table 129. South America Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 130. South America Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 131. South America Brushless Axial Fan Sales Quantity by Country (2021-2026) & (K Units)

Table 132. South America Brushless Axial Fan Sales Quantity by Country (2027-2032) & (K Units)

Table 133. South America Brushless Axial Fan Consumption Value by Country (2021-2026) & (USD Million)

Table 134. South America Brushless Axial Fan Consumption Value by Country (2027-2032) & (USD Million)

Table 135. Middle East & Africa Brushless Axial Fan Sales Quantity by Type (2021-2026) & (K Units)

Table 136. Middle East & Africa Brushless Axial Fan Sales Quantity by Type (2027-2032) & (K Units)

Table 137. Middle East & Africa Brushless Axial Fan Sales Quantity by Application (2021-2026) & (K Units)

Table 138. Middle East & Africa Brushless Axial Fan Sales Quantity by Application (2027-2032) & (K Units)

Table 139. Middle East & Africa Brushless Axial Fan Sales Quantity by Country (2021-2026) & (K Units)

Table 140. Middle East & Africa Brushless Axial Fan Sales Quantity by Country (2027-2032) & (K Units)

Table 141. Middle East & Africa Brushless Axial Fan Consumption Value by Country (2021-2026) & (USD Million)

Table 142. Middle East & Africa Brushless Axial Fan Consumption Value by Country (2027-2032) & (USD Million)

Table 143. Brushless Axial Fan Raw Material

Table 144. Key Manufacturers of Brushless Axial Fan Raw Materials

Table 145. Brushless Axial Fan Typical Distributors

Table 146. Brushless Axial Fan Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Brushless Axial Fan Picture

Figure 2. Global Brushless Axial Fan Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Brushless Axial Fan Revenue Market Share by Type in 2025

Figure 4. Voltage Speed Control Examples

Figure 5. PWM Speed Control Examples

Figure 6. Smart Interface Examples

Figure 7. Global Brushless Axial Fan Revenue by Bearing Type, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Brushless Axial Fan Revenue Market Share by Bearing Type in 2025

Figure 9. Oil-impregnated Bearings Examples

Figure 10. Ball Bearings Examples

Figure 11. Hydraulic Bearings Examples

Figure 12. Others Examples

Figure 13. Global Brushless Axial Fan Revenue by Airflow, (USD Million), 2021 & 2025 & 2032

Figure 14. Global Brushless Axial Fan Revenue Market Share by Airflow in 2025

Figure 15. Low Airflow:

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