

Global Aircraft Electric Motor Market Growth 2025-2031

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Abstracts

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The global Aircraft Electric Motor market size is predicted to grow from US\$ 1492 million in 2025 to US\$ 1870 million in 2031; it is expected to grow at a CAGR of 3.8% from 2025 to 2031.

Increased demand for the use of low-cost technology by the aviation industry has resulted in a rise in the research and development on the alternatives for components, fuel source, and design of the aircraft. This has resulted in a rising preference for the use of renewable energy sources, biofuels, and other alternatives to make aircraft more convenient, environmentally friendly, and efficient. The use of Electric Motors in Aircraft holds an ample amount of opportunities as it helps in reduced sound pollution, low operating costs, and improved productivity for the aviation industry. An increase in the number of nations targeting to reach zero carbon emission by 2050 has resulted in a growth in the Global Aircraft Electric Motors Market.

The global aircraft electric motor market refers to the market for electric motors used in aircraft. These electric motors are used in various applications within an aircraft, including propulsion systems, flight control systems, and auxiliary systems. The market for aircraft electric motors has been witnessing significant growth in recent years. This growth can be attributed to several factors, including the increasing demand for electric aircraft, advancements in electric motor technology, and the need for more efficient and environmentally friendly aircraft. Electric aircraft, such as electric drones and electric vertical takeoff and landing (eVTOL) vehicles, have gained popularity in both commercial and military sectors. These aircraft rely on electric motors for propulsion, leading to an increased demand for high-performance and lightweight electric motors.

Advancements in electric motor technology have also contributed to the growth of the market. Electric motors are becoming smaller, lighter, and more efficient, allowing aircraft manufacturers to reduce overall weight and improve fuel efficiency. This in turn leads to cost savings and reduced carbon emissions. Furthermore, the aviation industry is under increasing pressure to reduce its environmental impact. Electric motors offer a greener alternative to traditional combustion engines, as they produce zero emissions during operation. This has led to a growing interest in electric aircraft and has driven the adoption of electric motors in the aviation sector. The market for aircraft electric motors is highly competitive, with several major players operating in the industry. These include established aerospace companies, electric motor manufacturers, and startups specializing in electric aircraft technology. Key market players are focused on developing advanced electric motor solutions to meet the increasing demand for electric aircraft. In conclusion, the global aircraft electric motor market is experiencing robust growth due to the rising demand for electric aircraft, advancements in electric motor technology, and the need for more sustainable aviation solutions. The market is expected to continue expanding as the aviation industry continues to embrace electrification.

LP Information, Inc. (LPI) ' newest research report, the "Aircraft Electric Motor Industry Forecast" looks at past sales and reviews total world Aircraft Electric Motor sales in 2024, providing a comprehensive analysis by region and market sector of projected Aircraft Electric Motor sales for 2025 through 2031. With Aircraft Electric Motor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Aircraft Electric Motor industry.

This Insight Report provides a comprehensive analysis of the global Aircraft Electric Motor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Aircraft Electric Motor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Aircraft Electric Motor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Aircraft Electric Motor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Aircraft Electric Motor.

This report presents a comprehensive overview, market shares, and growth opportunities of Aircraft Electric Motor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Less than 5 kw

5 kw-10 kw

More than 10 kw

Segmentation by Application:

OEM

AfterSales

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Altra Industrial Motion Corporation

Moog Inc.

Woodward Inc.

Meggitt PLC

Rolls Royce PLC

Allied Motion, Inc.

Ametek, Inc.

Arc Systems Inc.

Magneto Aero Dynamics

MagniX

H3X Technologies Inc.

Emrax D.O.O.

Pipistrel D.O.O.

Windings Inc.

Xoar International LLC

Yasa Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Aircraft Electric Motor market?

What factors are driving Aircraft Electric Motor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Aircraft Electric Motor market opportunities vary by end market size?

How does Aircraft Electric Motor break out by Type, by Application?

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