

Aviation High-Speed Motor Market Anticipated to Grow at 6.5% CAGR Through 2029: Industry Report

*The Business Research Company's
Aviation High-Speed Motor Global Market
Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034*

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Aviation High-Speed Motor Global Market Report
2025

How Big Is The [Aviation High-Speed Motor Market](#) In 2025?

The market size of the [aviation high-speed motor industry](#) has seen substantial growth in the past few years. It is projected to increase from \$2.8 billion in 2024 to \$2.95 billion in 2025, with a compound annual growth rate (CAGR) of 5.5%. This growth in the historical period can be accredited to improvements in crop yields, expansion of cultivable land, labor efficiency, maximizing the use of fertilizers, and overcoming geographical hurdles.



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The high-speed aviation motor industry is predicted to experience robust expansion in the forthcoming years, reaching a market size of \$3.8 billion in 2029 with a

compound annual growth rate (CAGR) of 6.6%. The growth during this forecast period is due to factors such as the effects of climate change, concerns about water scarcity, increases in global population, governmental guidelines regarding water consumption, and the integration of renewable energy sources. Key trends during this forecast period encompass the incorporation of drip irrigation, the utilization of data analysis for decision-making, remote observation and management, the incorporation of Internet of Things and sensors, and tailoring for specific crops.

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What Are The Key Driving Factors For The Growth Of The Aviation High-Speed Motor Market?

The aviation high-speed motor market is expected to grow due to the heightened acquisition of new aircraft. An aircraft includes any vehicle crafted to ascend into the air, either through a static lift or dynamic lift, or by the direct downward thrust provided by its engines. These vehicles encompass airplanes, helicopters, airships, gliders, paramotors, and hot air balloons. Such high-speed motors of aviation are utilized in an array of flight functions including propulsion, flight control, and transmission. In particular, a report in March 2023 revealed that Airbus, an aviation and aerospace component production firm based in France, received around 99 orders for aircraft in February, successfully delivering about 66 crafts to 42 customers. In addition, it's predicted that over the next twenty years, there will be a demand for 2,440 freighting planes, of which nearly 900 will be brand new constructions. As such, the escalating acquisition of new aircraft is fueling growth in the aviation high-speed motor market.

Who Are The Key Players In The Aviation High-Speed Motor Industry?

Major players in the Aviation High-Speed Motor Global Market Report 2025 include:

- Xoar International LLC
- Emrax d.o.o.
- Windings Inc.
- ARC Systems Inc.
- Safran Electrical & Power
- MagniX
- MGM COMPRO
- H3X Technologies Inc.
- NEMA Ltd.
- Allied Motion Technologies.

What Are The Upcoming Trends Of Aviation High-Speed Motor Market In The Globe?

The emergence of product innovation is a prominent trend that's gaining momentum in the aviation high-speed motor industry. Firms in this market are emphasizing on creating innovative products to reinforce their standing and achieve a competitive edge. For example, Kite Magnetics, a startup specializing in aviation electric motors based in Australia, unveiled its inaugural aircraft electric motor, the KM-120, in March 2023. This 120-kW electric propulsion unit is intended to replace the piston engines currently used in 2-4 seat light aircraft.

What Segments Are Covered In The Aviation High-Speed Motor Market Report?

The aviation high-speed motor market covered in this report is segmented –

- 1) By Type: Direct Current (DC) Motor, Alternating Current (AC) Motor
- 2) By Application: Flight Control, Propulsion System, Fuel Management System, Other Applications

3) By End-Use: Commercial Aviation, General Aviation, Other End-Uses

Subsegments:

1) By Direct Current (DC) Motor: Brushed DC Motor, Brushless DC Motor

2) By Alternating Current (AC) Motor: Synchronous AC Motor, Asynchronous AC Motor

View the full aviation high-speed motor market report:

<https://www.thebusinessresearchcompany.com/report/aviation-high-speed-motor-global-market-report>

Which Region Is Expected To Lead The Aviation High-Speed Motor Market By 2025?

In 2024, North America held the dominant position in the Aviation High-Speed Motor Global Market. The forecast for this market predicts a promising growth trajectory. The detailed report includes a comprehensive review of various regions, namely Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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