

Global Brushless DC Motor Market Size study, by Rotor (Inner Rotor, Outer Rotor), by Power Output (Less than 750 Watts, 750 Watts to 2.99 kW, 3 kW - 75 kW, Above 75 kW), by Speed (Less than 500 RPM, 501-2,000 RPM, 2,001-10,000 RPM, More than 10,000 RPM), by End-use (Industrial Machinery, Motor Vehicles, HVAC Equipment, Aerospace & Transportation, Household Appliances, Others), and Regional Forecasts 2022-2032.

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### **Abstracts**

The global brushless DC motor market was valued at approximately USD 19.57 Billion in 2023 and is anticipated to witness a compound annual growth rate (CAGR) of 6.8% over the forecast period 2025-2032. Brushless DC (BLDC) motors have revolutionized the motor industry by offering enhanced efficiency, reliability, and compact designs compared to traditional brushed motors. Their high operational efficiency and low maintenance requirements have positioned them as a preferred choice for various applications, including electric vehicles, industrial automation, and consumer electronics.

The increasing adoption of electric vehicles (EVs) globally has driven significant demand for BLDC motors, given their role in vehicle propulsion systems, power steering, and cooling fans. With government policies promoting electric mobility, the EV industry is expected to further fuel market growth. Additionally, advancements in sensor-less technology have improved the reliability and precision of these motors, broadening their scope in robotics and automation.



Asia Pacific held the largest market share in 2024, attributed to its dominance in manufacturing electronic components and electric vehicles. The region is expected to maintain its leadership, with countries like China and India experiencing robust growth in automation and renewable energy adoption. Meanwhile, North America is projected to exhibit strong growth due to advancements in aerospace, robotics, and industrial machinery.

Major players in the market, such as ABB Ltd, NIDEC Corporation, and Siemens, continue to innovate with high-performance and energy-efficient motor designs, addressing the growing demand for sustainable and compact solutions.

Major Market Players Included in This Report Are: ABB Ltd **NIDEC Corporation** Siemens Johnson Electric Holdings Limited Ametek Inc. Allied Motion Technologies, Inc. WorldWide Electric Regal Rexnord Corporation Schneider Electric **TECO Corporation** MinebeaMitsumi Inc.

ORIENTAL MOTOR USA CORP

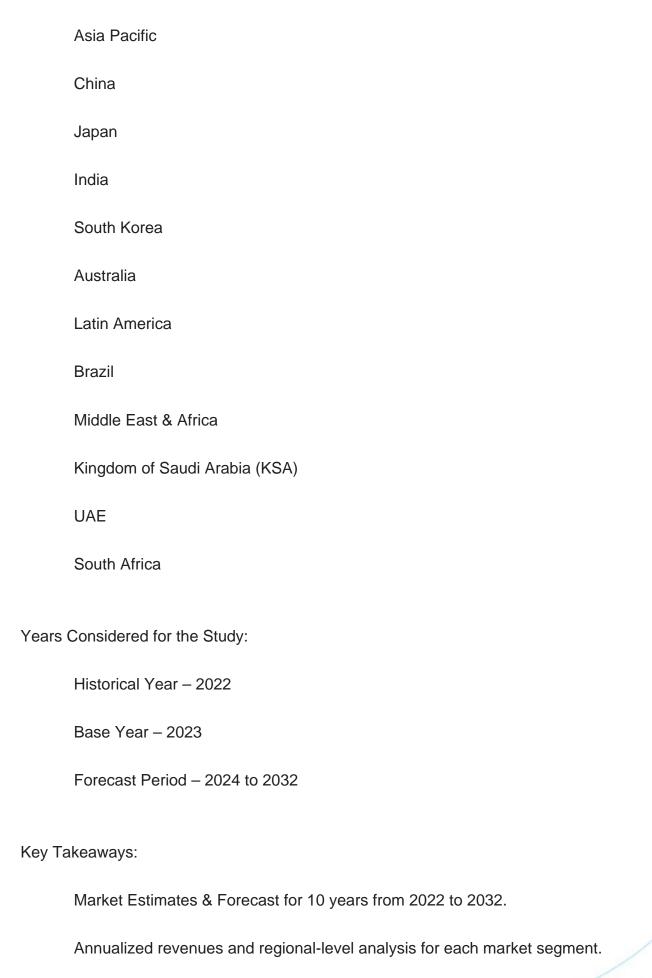


	Mitsubishi Electric Corporation
	Baldor Electric Company
	Maxon Motor AG
The De	etailed Segments and Sub-segments of the Market Are Explained Below:
By Rotor:	
	Inner Rotor
	Outer Rotor
By Power Output:	
	Less than 750 Watts
	750 Watts to 2.99 kW
	3 kW - 75 kW
	Above 75 kW
By Speed:	
	Less than 500 RPM
	501-2,000 RPM
	2,001-10,000 RPM
	More than 10,000 RPM



# By End Use: **Industrial Machinery** Motor Vehicles Safety Comfort Performance **HVAC** Equipment Aerospace & Transportation Household Appliances Others By Region: North America U.S. Canada Mexico Europe UK Germany France





Global Brushless DC Motor Market Size study, by Rotor (Inner Rotor, Outer Rotor), by Power Output (Less than 7...



Detailed analysis of geographical landscapes with country-level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Analysis of the competitive structure of the market.

Demand-side and supply-side analysis of the market.



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