

Brushless DC Motors Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/B3141303F5C8EN.html>

Date: November 2023

Pages: 139

Price: US\$ 2,499.00 (Single User License)

ID: B3141303F5C8EN

Abstracts

The global brushless DC motors market size reached US\$ 5.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.9 Billion by 2028.

Brushless DC (BLDC) motors, also known as electronically commutated motors (ECMs), are powered by direct current (DC) using an inverter or switching power supply. A closed-loop controller converts the DC electric current into alternating current (AC) to drive these motors. BLDC motors comprise rotors, stators, sensors and permanent magnets that provide high power, speed and electronic control as compared to their brushed counterparts. These motors are efficient and durable, and generate less noise and require low energy while offering maximum rotational force (torque). Consequently, they are extensively employed in the industrial machinery, automotive, electronics, aviation and healthcare industries.

The rising trend of industrial automation and the growing popularity of miniature electronic devices are among the key factors bolstering the global BLDC motors market growth. Moreover, the increasing focus on minimizing the environmental footprint is escalating the adoption of hybrid electric vehicles (HEVs), which, in turn, is influencing the demand for BLDC motors positively. Apart from this, the escalating sales of vehicles with advanced features, such as motorized seats, adjustable mirrors and sunroof systems, is bolstering the growth of the market. Furthermore, the rising trend of high-tech electronics, such as drones and mobility scooters, and the introduction of sensor-less BLDC motors, are also contributing to the market growth. Besides this, the spread of the coronavirus disease (COVID-19) and the increasing need for hospital care services have escalated the demand for BLDC motors worldwide for manufacturing wheelchairs, respirators, ventilators, hospital beds, blood analyzers, air filtration devices and personal protective equipment (PPE).

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global brushless DC motors market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, power rating and end use industry.

Breakup by Product Type:

Inner Rotor Brushless DC Motors

Outer Rotor Brushless DC Motors

Breakup by Power Rating:

0 -750 Watts

750 Watts to 3 kW

3 kW - 75 kW

Above 75 kW

Breakup by End Use Industry:

Industrial Machinery

Automotive

Consumer Electronics

Healthcare

Aerospace and Defense

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being ABB Ltd., Allied Motion Technologies Inc., AMETEK Inc., Arc Systems Inc., Buhler Motor GmbH, The Faulhaber Group, Johnson Electric Holdings Limited, Maxon Motor AG, MinebeaMitsumi, Moog Inc., Nidec Corporation and Oriental Motor Co. Ltd.

Key Questions Answered in This Report

1. What are the global brushless DC motors market drivers?
2. What are the key industry trends in the global brushless DC motors market?
3. What is the impact of COVID-19 on the global brushless DC motors market?
4. What is the global brushless DC motors market breakup by power rating?
5. What is the global brushless DC motors market breakup by end use industry?
6. What are the major regions in the global brushless DC motors market?
7. Who are the key companies/players in the global brushless DC motors market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL BRUSHLESS DC MOTORS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Inner Rotor Brushless DC Motors
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Outer Rotor Brushless DC Motors
 - 6.2.1 Market Trends

6.2.2 Market Forecast

7 MARKET BREAKUP BY POWER RATING

7.1 0 -750 Watts

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 750 Watts to 3 kW

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 3 kW - 75 kW

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Above 75 kW

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY END USE INDUSTRY

8.1 Industrial Machinery

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Automotive

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Consumer Electronics

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Healthcare

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Aerospace and Defense

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Others

8.6.1 Market Trends

8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 ABB Ltd.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Allied Motion Technologies Inc.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 AMETEK Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.4 Arc Systems Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Buhler Motor GmbH
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 The Faulhaber Group
 - 14.3.6.1 Company Overview

- 14.3.6.2 Product Portfolio
- 14.3.7 Johnson Electric Holdings Limited
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 Maxon Motor AG
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 MinebeaMitsumi
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Moog Inc.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Nidec Corporation
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Oriental Motor Co. Ltd.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Brushless DC Motors Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Brushless DC Motors Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Brushless DC Motors Market Forecast: Breakup by Power Rating (in Million US\$), 2023-2028

Table 4: Global: Brushless DC Motors Market Forecast: Breakup by End Use Industry (in Million US\$), 2023-2028

Table 5: Global: Brushless DC Motors Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Brushless DC Motors Market: Competitive Structure

Table 7: Global: Brushless DC Motors Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Brushless DC Motors Market: Major Drivers and Challenges

Figure 2: Global: Brushless DC Motors Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Brushless DC Motors Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Brushless DC Motors Market: Breakup by Product Type (in %), 2022

Figure 5: Global: Brushless DC Motors Market: Breakup by Power Rating (in %), 2022

Figure 6: Global: Brushless DC Motors Market: Breakup by End Use Industry (in %), 2022

Figure 7: Global: Brushless DC Motors Market: Breakup by Region (in %), 2022

Figure 8: Global: Brushless DC Motors (Inner Rotor) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Brushless DC Motors (Inner Rotor) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Brushless DC Motors (Outer Rotor) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Brushless DC Motors (Outer Rotor) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Brushless DC Motors (0 -750 Watts) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Brushless DC Motors (0 -750 Watts) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Brushless DC Motors (750 Watts to 3 kW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Brushless DC Motors (750 Watts to 3 kW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Brushless DC Motors (3 kW - 75 kW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Brushless DC Motors (3 kW - 75 kW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Brushless DC Motors (Above 75 kW) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Brushless DC Motors (Above 75 kW) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Brushless DC Motors (Industrial Machinery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Brushless DC Motors (Industrial Machinery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Brushless DC Motors (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Brushless DC Motors (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Brushless DC Motors (Consumer Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Brushless DC Motors (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Brushless DC Motors (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Brushless DC Motors (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Brushless DC Motors (Aerospace and Defense) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Brushless DC Motors (Aerospace and Defense) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Brushless DC Motors (Other End Use Industries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Brushless DC Motors (Other End Use Industries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: North America: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: North America: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: United States: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: United States: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Canada: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Canada: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Asia Pacific: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Asia Pacific: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: China: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 &

2022

Figure 41: China: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Japan: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Japan: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: India: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: India: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: South Korea: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: South Korea: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Australia: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Australia: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Indonesia: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Indonesia: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Others: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Others: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Europe: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Europe: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Germany: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Germany: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: France: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: France: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: United Kingdom: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: United Kingdom: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Italy: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Italy: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Spain: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Spain: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Russia: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Russia: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Others: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Others: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Latin America: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Latin America: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Brazil: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Brazil: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Mexico: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Mexico: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Others: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Others: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Middle East and Africa: Brushless DC Motors Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Middle East and Africa: Brushless DC Motors Market: Breakup by Country (in

%), 2022

Figure 80: Middle East and Africa: Brushless DC Motors Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Global: Brushless DC Motors Industry: SWOT Analysis

Figure 82: Global: Brushless DC Motors Industry: Value Chain Analysis

Figure 83: Global: Brushless DC Motors Industry: Porter's Five Forces Analysis

I would like to order

Product name: Brushless DC Motors Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/B3141303F5C8EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B3141303F5C8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

