

North America Brushless DC Motor Market (2019-2025)

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Abstracts

The North America Brushless DC Motor Market would witness market growth of 5.8% CAGR during the forecast period (2019-2025). The prevalent adoption of brushless DC motor is attributable to the electronic commutation use. This replaces the conventional mechanics like brushes rubbing on the commutator for energizing the windings in the armature of DC motors. The widespread use of electronic commutation ensures higher efficiency as compared to conventional DC motors. It also assures improvements of nearly one-fifth for motors that run at the same speed and load. The International Energy Agency (IEA) estimates that around 40% of electricity is used globally to drive electric motors in which such efficiency gains are becoming compelling due to the use of brushless DC motors.

Brushless DC motors offer advantages like fast response, peak performance, higher operating speed, reduced maintenance costs and less rotor energy, making them ideal for a wide range of applications including motion control and positioning and actuation systems. They often require low maintenance and work with thermally resistant body at low temperatures. Furthermore, the adoption of brushless DC-type sensor less controls would likely increase product durability and shelf life along with reducing the number of electrical and mechanical connections. Such factors fuel the development of the brushless DC motors market. The growth of the electric vehicle industry positively influences the market growth which, over the forecast period, is expected to drive the market.

Based on Rotor Type, the market is segmented into Inner Rotor Brushless DC Motor and Outer Rotor Brushless DC Motor. Based on Voltage Type, the market is segmented into 0 -750 Watts BLDC Motor, 750 Watts to 3 kW BLDC Motor, 3 kW - 75 kW BLDC Motor and Others. Based on End User, the market is segmented into Motor Vehicles,

Industrial Machinery, HVAC Equipment, Household Appliances, Aerospace & Transportation and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include ABB Group (Baldor Electric Company), Toshiba Corporation, Buhler Motor GmbH, Nidec Corporation, Maxon Motors AG, Ametek, Inc., Allied Motion Technologies, Inc., Johnson Electric Holdings Limited, Rockwell Automation, Inc. and ARC Systems, Inc.

Scope of the Study

Market Segmentation:

By Rotor Type

Inner Rotor Brushless DC Motor

Outer Rotor Brushless DC Motor

By Voltage Type

0 -750 Watts BLDC Motor

750 Watts to 3 kW BLDC Motor

3 kW - 75 kW BLDC Motor

Others

By End User

Motor Vehicles

Industrial Machinery

HVAC Equipment

Household Appliances

Aerospace & Transportation

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

ABB Group (Baldor Electric Company)

Toshiba Corporation

Buhler Motor GmbH

Nidec Corporation

Maxon Motors AG

Ametek, Inc.

Allied Motion Technologies, Inc.

Johnson Electric Holdings Limited

Rockwell Automation, Inc.

ARC Systems, Inc.

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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 North America Brushless DC Motor Market, by Rotor Type
 - 1.4.2 North America Brushless DC Motor Market, by Voltage Type
 - 1.4.3 North America Brushless DC Motor Market, by End User
 - 1.4.4 North America Brushless DC Motor Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Executive Summary
 - 2.1.3 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. GLOBAL COMPETITION ANALYSIS

- 3.1 KBV Cardinal Matrix
- 3.2 Recent Industry Wide Strategic Developments
 - 3.2.1 Partnerships, Collaborations and Agreements
 - 3.2.2 Product Launches and Expansions
 - 3.2.3 Mergers & Acquisitions
- 3.3 Top Winning Strategies
 - 3.3.1 Key Leading Strategies: Percentage Distribution (2015-2019)
 - 3.3.2 Key Strategic Move: (Product Launches: 2019-Sep: 2015-Apr) Leading Players

CHAPTER 4. NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE

- 4.1 North America Inner Rotor Brushless DC Motor Market by Country

4.2 North America Outer Rotor Brushless DC Motor Market by Country

CHAPTER 5. NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY END USE

- 5.1 North America Brushless DC Motor in Motor Vehicles Market by Country
- 5.2 North America Brushless DC Motor in Industrial Machinery Market by Country
- 5.3 North America Brushless DC Motor in HVAC Equipment Market by Country
- 5.4 North America Brushless DC Motor in Household Appliances Market by Country
- 5.5 North America Brushless DC Motor in Aerospace & Transportation Market by Country
- 5.6 North America Other End Use Brushless DC Motor Market by Country

CHAPTER 6. NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY VOLTAGE

- 6.1 North America 0 -750 Watts BLDC Motor Market by Country
- 6.2 North America 750 Watts to 3 kW BLDC Motor Market by Country
- 6.3 North America 3 kW - 75 kW BLDC Motor Market by Country
- 6.4 North America Brushless DC Motor Others Market by Country

CHAPTER 7. NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY COUNTRY

- 7.1 US Brushless DC Motor Market
 - 7.1.1 US Brushless DC Motor Market by Rotor Type
 - 7.1.2 US Brushless DC Motor Market by End Use
 - 7.1.3 US Brushless DC Motor Market by Voltage
- 7.2 Canada Brushless DC Motor Market
 - 7.2.1 Canada Brushless DC Motor Market by Rotor Type
 - 7.2.2 Canada Brushless DC Motor Market by End Use
 - 7.2.3 Canada Brushless DC Motor Market by Voltage
- 7.3 Mexico Brushless DC Motor Market
 - 7.3.1 Mexico Brushless DC Motor Market by Rotor Type
 - 7.3.2 Mexico Brushless DC Motor Market by End Use
 - 7.3.3 Mexico Brushless DC Motor Market by Voltage
- 7.4 Rest of North America Brushless DC Motor Market
 - 7.4.1 Rest of North America Brushless DC Motor Market by Rotor Type
 - 7.4.2 Rest of North America Brushless DC Motor Market by End Use
 - 7.4.3 Rest of North America Brushless DC Motor Market by Voltage

CHAPTER 8. COMPANY PROFILES

- 8.1 ABB Group (Baldor Electric Company)
 - 8.1.1 Company Overview
 - 8.1.2 Financial Analysis
 - 8.1.3 Segmental and Regional Analysis
 - 8.1.4 Research & Development Expense
 - 8.1.5 Recent strategies and developments:
 - 8.1.5.1 Product launches:
 - 8.1.5.2 Acquisition and mergers:
 - 8.1.6 SWOT Analysis
- 8.2 Toshiba Corporation
 - 8.2.1 Company Overview
 - 8.2.2 Financial Analysis
 - 8.2.3 Segmental and Regional Analysis
 - 8.2.4 Research and Development Expense
 - 8.2.5 Recent strategies and developments:
 - 8.2.5.1 Product launches:
 - 8.2.6 SWOT Analysis
- 8.3 Buhler Motor GmbH
 - 8.3.1 Company Overview
 - 8.3.2 Recent strategies and developments:
 - 8.3.2.1 Expansions:
- 8.4 Nidec Corporation
 - 8.4.1 Company Overview
 - 8.4.2 Financial Analysis
 - 8.4.3 Segmental and Regional Analysis
 - 8.4.4 Research & Development Expense
 - 8.4.5 Recent strategies and developments:
 - 8.4.5.1 Collaborations, partnerships, and agreements:
 - 8.4.5.2 Acquisition and mergers:
 - 8.4.5.3 Expansions:
 - 8.4.6 SWOT Analysis
- 8.5 Maxon Motors AG
 - 8.5.1 Company Overview
 - 8.5.2 Recent strategies and developments:
 - 8.5.2.1 Acquisition and mergers:
 - 8.5.2.2 Expansions:
- 8.6 Ametek, Inc.
 - 8.6.1 Company Overview

- 8.6.2 Financial Analysis
- 8.6.3 Segmental and Regional Analysis
- 8.6.4 Research & Development Expense
- 8.6.5 Recent strategies and developments:
 - 8.6.5.1 Product launches:
- 8.6.6 SWOT Analysis
- 8.7 Allied Motion Technologies, Inc.
 - 8.7.1 Company Overview
 - 8.7.2 Financial Analysis
 - 8.7.3 Regional Analysis
 - 8.7.4 Research & Development Expense
 - 8.7.5 Recent strategies and developments:
 - 8.7.5.1 Product launches:
 - 8.7.5.2 Acquisition and mergers:
 - 8.7.6 SWOT Analysis
- 8.8 Johnson Electric Holdings Limited
 - 8.8.1 Company Overview
 - 8.8.2 Financial Analysis
 - 8.8.3 Segmental and Regional Analysis
 - 8.8.4 Recent strategies and developments:
 - 8.8.4.1 Product launches:
 - 8.8.4.2 Acquisition and mergers:
 - 8.8.4.3 Expansions:
 - 8.8.5 SWOT Analysis
- 8.9 Rockwell Automation, Inc.
 - 8.9.1 Company Overview
 - 8.9.2 Financial Analysis
 - 8.9.3 Segmental and Regional Analysis
 - 8.9.4 Research & Development Expenses
 - 8.9.5 Recent strategies and developments:
 - 8.9.5.1 Product launches:
 - 8.9.6 SWOT Analysis
- 8.1 ARC Systems, Inc.
 - 8.10.1 Company Overview

List Of Tables

LIST OF TABLES

TABLE 1 NORTH AMERICA BRUSHLESS DC MOTOR MARKET, 2015 - 2018, USD MILLION

TABLE 2 NORTH AMERICA BRUSHLESS DC MOTOR MARKET, 2019 - 2025, USD MILLION

TABLE 3 PARTNERSHIPS, COLLABORATIONS AND AGREEMENTS– BRUSHLESS DC MOTORS MARKET

TABLE 4 PRODUCT LAUNCHES AND EXPANSIONS– BRUSHLESS DC MOTORS MARKET

TABLE 5 MERGERS & ACQUISITIONS – BRUSHLESS DC MOTORS MARKET

TABLE 6 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2015 - 2018, USD MILLION

TABLE 7 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2019 - 2025, USD MILLION

TABLE 8 NORTH AMERICA INNER ROTOR BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 9 NORTH AMERICA INNER ROTOR BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 10 NORTH AMERICA OUTER ROTOR BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 11 NORTH AMERICA OUTER ROTOR BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 12 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 13 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 14 NORTH AMERICA BRUSHLESS DC MOTOR IN MOTOR VEHICLES MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 15 NORTH AMERICA BRUSHLESS DC MOTOR IN MOTOR VEHICLES MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 16 NORTH AMERICA BRUSHLESS DC MOTOR IN INDUSTRIAL MACHINERY MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 17 NORTH AMERICA BRUSHLESS DC MOTOR IN INDUSTRIAL MACHINERY MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 18 NORTH AMERICA BRUSHLESS DC MOTOR IN HVAC EQUIPMENT MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 19 NORTH AMERICA BRUSHLESS DC MOTOR IN HVAC EQUIPMENT MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 20 NORTH AMERICA BRUSHLESS DC MOTOR IN HOUSEHOLD APPLIANCES MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 21 NORTH AMERICA BRUSHLESS DC MOTOR IN HOUSEHOLD APPLIANCES MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 22 NORTH AMERICA BRUSHLESS DC MOTOR IN AEROSPACE & TRANSPORTATION MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 23 NORTH AMERICA BRUSHLESS DC MOTOR IN AEROSPACE & TRANSPORTATION MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 24 NORTH AMERICA OTHER END USE BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 25 NORTH AMERICA OTHER END USE BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 26 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2015 - 2018, USD MILLION

TABLE 27 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2019 - 2025, USD MILLION

TABLE 28 NORTH AMERICA 0 -750 WATTS BLDC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 29 NORTH AMERICA 0 -750 WATTS BLDC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 30 NORTH AMERICA 750 WATTS TO 3 KW BLDC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 31 NORTH AMERICA 750 WATTS TO 3 KW BLDC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 32 NORTH AMERICA 3 KW - 75 KW BLDC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 33 NORTH AMERICA 3 KW - 75 KW BLDC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 34 NORTH AMERICA BRUSHLESS DC MOTOR OTHERS MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 35 NORTH AMERICA BRUSHLESS DC MOTOR OTHERS MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 36 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 37 NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 38 US BRUSHLESS DC MOTOR MARKET, 2015 - 2018, USD MILLION

TABLE 39 US BRUSHLESS DC MOTOR MARKET, 2019 - 2025, USD MILLION

TABLE 40 US BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2015 - 2018, USD MILLION

TABLE 41 US BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2019 - 2025, USD MILLION

TABLE 42 US BRUSHLESS DC MOTOR MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 43 US BRUSHLESS DC MOTOR MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 44 US BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2015 - 2018, USD MILLION

TABLE 45 US BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2019 - 2025, USD MILLION

TABLE 46 CANADA BRUSHLESS DC MOTOR MARKET, 2015 - 2018, USD MILLION

TABLE 47 CANADA BRUSHLESS DC MOTOR MARKET, 2019 - 2025, USD MILLION

TABLE 48 CANADA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2015 - 2018, USD MILLION

TABLE 49 CANADA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2019 - 2025, USD MILLION

TABLE 50 CANADA BRUSHLESS DC MOTOR MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 51 CANADA BRUSHLESS DC MOTOR MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 52 CANADA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2015 - 2018, USD MILLION

TABLE 53 CANADA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2019 - 2025, USD MILLION

TABLE 54 MEXICO BRUSHLESS DC MOTOR MARKET, 2015 - 2018, USD MILLION

TABLE 55 MEXICO BRUSHLESS DC MOTOR MARKET, 2019 - 2025, USD MILLION

TABLE 56 MEXICO BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2015 - 2018, USD MILLION

TABLE 57 MEXICO BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2019 - 2025, USD MILLION

TABLE 58 MEXICO BRUSHLESS DC MOTOR MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 59 MEXICO BRUSHLESS DC MOTOR MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 60 MEXICO BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2015 - 2018, USD MILLION

TABLE 61 MEXICO BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2019 - 2025, USD MILLION

TABLE 62 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET, 2015 - 2018, USD MILLION

TABLE 63 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET, 2019 - 2025, USD MILLION

TABLE 64 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2015 - 2018, USD MILLION

TABLE 65 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY ROTOR TYPE, 2019 - 2025, USD MILLION

TABLE 66 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 67 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 68 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2015 - 2018, USD MILLION

TABLE 69 REST OF NORTH AMERICA BRUSHLESS DC MOTOR MARKET BY VOLTAGE, 2019 - 2025, USD MILLION

TABLE 70 KEY INFORMATION – ABB GROUP

TABLE 71 KEY INFORMATION – TOSHIBA CORPORATION

TABLE 72 KEY INFORMATION – BUHLER MOTOR GMBH

TABLE 73 KEY INFORMATION – NIDEC CORPORATION

TABLE 74 KEY INFORMATION – MAXON MOTORS AG

TABLE 75 KEY INFORMATION – AMETEK, INC.

TABLE 76 KEY INFORMATION – ALLIED MOTION TECHNOLOGIES, INC.

TABLE 77 KEY INFORMATION – JOHNSON ELECTRIC HOLDINGS LIMITED

TABLE 78 KEY INFORMATION – ROCKWELL AUTOMATION, INC.

TABLE 79 KEY INFORMATION – ARC SYSTEMS, INC.

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 KBV CARDINAL MATRIX

FIG 3 KEY LEADING STRATEGIES: PERCENTAGE DISTRIBUTION (2015-2019)

FIG 4 KEY STRATEGIC MOVE: (PRODUCT LAUNCHES: 2019-SEP: 2015-APR)

LEADING PLAYERS

FIG 5 SWOT ANALYSIS: ABB GROUP

FIG 6 SWOT ANALYSIS: TOSHIBA CORPORATION

FIG 7 RECENT STRATEGIES AND DEVELOPMENTS: NIDEC CORPORATION

FIG 8 SWOT ANALYSIS: NIDEC CORPORATION

FIG 9 SWOT ANALYSIS: AMETEK, INC.

FIG 10 SWOT ANALYSIS: ALLIED MOTION TECHNOLOGIES, INC.

FIG 11 RECENT STRATEGIES AND DEVELOPMENTS: JOHNSON ELECTRIC HOLDINGS LIMITED

FIG 12 SWOT ANALYSIS: JOHNSON ELECTRIC HOLDINGS LIMITED

FIG 13 SWOT ANALYSIS: ROCKWELL AUTOMATION, INC.

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