

North America AC Electronically Commutated (EC) Centrifugal Fans Market Forecast to 2030 –Regional Analysis – by Diameter Size (Below 250mm, 251mm-400mm, 401mm-550mm, and 551mm-700mm), Application (Air Conditioners, Refrigerators, Ventilation systems, Electronic Cabinets, and Others), and Power Range (Below 0.5kW, 0.5 to 3 KW, 3.1 to 5 KW, and Above 5kW)

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Abstracts

The North America AC electronically commutated (EC) centrifugal fans market is expected to grow from US\$ 305.34 million in 2023 to US\$ 428.22 million by 2030. It is estimated to grow at a CAGR of 5.0% from 2023 to 2030.

Increasing Inclination toward Power Savings Drive North America AC Electronically Commutated (EC) Centrifugal Fans Market

The North America AC electronically commutated (EC) centrifugal fans market is facing significant growth owing to the growing emphasis on ensuring power saving. EC motors (ECMs) need individual DC power supplies. EC fans enable considerable power savings, offering cooling and airflow solutions for applications with better electrical efficiency requirements. Appropriate fan selection is key to any design. The designer considers both curves when selecting the best fan and operating point to optimize power usage and reliability. The designs of fans and their blade types significantly affect efficiency and power requirements. Further, various companies are taking initiatives such as partnerships, collaborations, and unveiling new products to save power. Thus, the increasing demand for energy efficiency in the manufacturing sector is boosting the demand for AC EC centrifugal fans.

North America AC Electronically Commutated (EC) Centrifugal Fans Market Overview

North America encompasses developed economies, including the US and Canada, and developing countries, such as Mexico. Rising demand for cooling systems and increasing data centers are driving the North America AC electronically commutated (EC) centrifugal fans market expansion. Companies constantly focus on innovations to fulfill the rising demand for high-quality products and services from consumers. Various domestic and international companies have a strong foothold in North America, which boosts the demand for AC electronically commutated (EC) centrifugal fans. The US is a major market for AC Electronically Commutated (EC) centrifugal fans, followed by Canada and Mexico. Further, rapid industrialization and flexible trade policies drive the North America AC electronically commutated (EC) centrifugal fans market growth in North America. Industry 4.0 is revolutionizing the way companies manufacture, improve, and distribute their products. Due to Industry 4.0, the US government is investing in the manufacturing industry for its expansion. In January 2021, the US President announced their plans to strengthen the US manufacturing sector under the 'Made in America' initiative, which focuses on building technologically advanced and automated manufacturing sectors. The President also announced an investment of US\$ 300 billion in R&D and advanced technologies adoption to boost the country's production output. These technological advancements can improve the financial performance of manufacturing companies, allowing them to deploy energy-efficient and advanced technological solutions such as electronically commutated (EC) centrifugal fans, further fuels the North America AC electronically commutated (EC) centrifugal fans market growth in North America. Furthermore, stringent energy efficiency regulations and strict emission standards have propelled the growth of the North America AC electronically commutated (EC) centrifugal fans market in the region. AC electronically commutated (EC) centrifugal fans find application in diverse fields, such as air conditioners, refrigerators, and electronic cabinets, owing to their high efficiency, integrated controller, and simple connection. Therefore, a wide range of applications of these fans is increasing their demand across various industries. The advantages of AC electronically commutated (EC) centrifugal fans include advancements in power-saving technology and providing airflow and cooling solutions for today's demanding applications generates the demand for AC electronically commutated (EC) centrifugal fans. Moreover, high individual spending capacities in North America have led to the expansion of the North America AC electronically commutated (EC) centrifugal fans market. These fans are available in abundance in the region due to the high production volume and increased consumption. Several major players are focusing on research and development activities and the use of improved techniques. These players constantly work on innovations in new product developments with improved characteristics and qualities.

North America AC Electronically Commutated (EC) Centrifugal Fans Market Revenue

and Forecast to 2030 (US\$ Million)

North America AC Electronically Commutated (EC) Centrifugal Fans Market Segmentation

The North America AC electronically commutated (EC) centrifugal fans market is segmented into diameter size, application, power range, and country.

Based on diameter size, the North America AC electronically commutated (EC) centrifugal fans market is segmented into Below 250mm, 251mm-400mm, 401mm-550mm, and 551mm-700mm. In 2023, the 251mm-400mm segment registered a largest share in the North America AC electronically commutated (EC) centrifugal fans market.

Based on application, the North America AC electronically commutated (EC) centrifugal fans market is segmented into air conditioners, refrigerators, ventilation systems, electronic cabinets, and others. In 2023, the air conditioners segment registered a largest share in the North America AC electronically commutated (EC) centrifugal fans market.

Based on power range, the North America AC electronically commutated (EC) centrifugal fans market is below 0.5kW, 0.5 to 3 KW, 3.1 to 5 KW, and above 5kW. In 2023, the above 5kW segment registered a largest share in the North America AC electronically commutated (EC).

Based on country, the North America AC electronically commutated (EC) centrifugal fans market is segmented into the US, Canada, Mexico. In 2023, the US segment registered a largest share in the North America AC electronically commutated (EC) centrifugal fans market.

Continental Fan.; Delta Electronics Inc; ebm-papst; Hidria; Oriental Motor USA Corp.; Regal Rexnord Corp; Rosenberg Ventilatoren GmbH; Simx Ltd; and Ziehl-Abegg UK Ltd are the leading companies operating in the North America AC electronically commutated (EC) centrifugal fans market.

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