Europe 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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- Single User Price $3000.00
- Site Price $4000.00
- Enterprise Price $5000.00

Report description:

The Europe AC electronically commutated (EC) centrifugal fans market is expected to grow from US$ 524.13 million in 2023 to US$ 713.06 million by 2030. It is estimated to grow at a CAGR of 4.5% from 2023 to 2030.
Growing Demand of Electronically Commutated Fans Drive Europe AC Electronically Commutated (EC) Centrifugal Fans Market
The continuously increasing demand for high energy-efficient solutions with a premium range of operation possibilities has led to the development of electronically commutated (EC) motors. Since its development in the 1960s, the share of EC technology has grown steadily in the Europe AC electronically commutated (EC) centrifugal fans market to replace the AC technology in several air movement applications. Due to substantial improvements in the energy efficiency of EC-based motor technology, many OEM product designers perceive EC technology as a new standard for motors. Further, minimum efficiency standards have encouraged moving from AC to EC. Additionally, AC motors have been used as a primary air driving force in HVAC applications that continually run at full power. The HVAC industry is witnessing significant growth due to expanding construction activities, increasing urbanization, and rising awareness of indoor air quality. AC EC centrifugal fans have extensive applications in HVAC systems, as they provide efficient air circulation, cooling, and ventilation. Further, the energy efficiency of EC fans leads to cost savings for end users. By consuming less electricity, EC fans also help reduce operational expenses, making them an attractive option for businesses and individuals looking to lower their energy bills over the long term. Thus, the aforementioned factors have increased demand for electronically commutated fans, driving the market significantly.
Europe AC Electronically Commutated (EC) Centrifugal Fans Market Overview

The European AC electronically commutated (EC) centrifugal fans market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. Europe has a well-established industrial sector. Germany, Italy, and France account for a significant proportion of the industrial expansion in Europe. European manufacturers are implementing new technologies to reduce production costs and secure a competitive edge. In addition, the government's UN Environment Programme (UNEP) supports developing and emerging economies to accelerate the transition to energy-efficient and climate-friendly equipment, contributing to the development and introduction of energy-efficient technologies. The presence of prominent players, including Rosenberg Ventilatoren GmbH, Ziehl Abegg, and Emb Papst, is driving the market growth in the region. The demand for high-tech fans incorporated with advanced techniques of working, casting, and finishing would grow in the coming years. The European market would require noiseless fans without compromising on the quality, for which electronically commutated motors would be employed. These motors are quieter, low maintenance, and offer long and reliable services, boosting regional demand. In addition, the market players are introducing new products. In June 2020, Sweden-based Systemair launched IV-50 EC high-induction centrifugal jet fan for underground and enclosed parking garages. The Europe AC electronically commutated (EC) centrifugal fans market in Europe is driven by robust expansion in the air conditioning & ventilation industries. The demand for such fans is growing as they are available in different diameter sizes that are made in accordance with the application requirement. Rising need for air conditioners and refrigerators is also expected to increase the demand for AC electronically commutated (EC) centrifugal fans in European countries. High-performance AC and EC centrifugal fans are employed in modern ventilation and air conditioning equipment. They are highly suitable for conveying slightly aggressive gas vapors and dusty air. All these features are expected to fuel the market growth in Europe in the coming years.

Europe AC Electronically Commutated (EC) Centrifugal Fans Market Revenue and Forecast to 2030 (US$ Million)

Europe AC Electronically Commutated (EC) Centrifugal Fans Market Segmentation

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

Based on diameter size, the Europe 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 Europe AC electronically commutated (EC) centrifugal fans market.

Based on application, the Europe 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 Europe AC electronically commutated (EC) centrifugal fans market.

Based on power range, the Europe 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 Europe AC electronically commutated (EC).

Based on country, the Europe AC electronically commutated (EC) centrifugal fans market is segmented into France, Germany, the UK, Italy, Russia, and the Rest of Europe. In 2023, t the Rest of Europe segment registered a largest share in the Europe AC electronically commutated (EC) centrifugal fans market.

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 Europe AC electronically commutated (EC) centrifugal fans market.

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