Asia Pacific 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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AVAILABLE LICENSES:

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

Report description:

The Asia Pacific AC electronically commutated (EC) centrifugal fans market is expected to grow from US$ 359.36 million in 2023 to US$ 522.28 million by 2030. It is estimated to grow at a CAGR of 5.5% from 2023 to 2030.

Surging Technological Advancements Drive Asia Pacific AC Electronically Commutated (EC) Centrifugal Fans Market

Most electronic companies are replacing their existing fans with EC fans because of their controllability, efficiency, and cost-saving characteristics. AC motors were widely used as the principal air driving force in HVAC applications, continually running at full power; however, now EC fans are preferred. Moreover, EC technology has gained popularity and replaced AC motor technology in various air movement applications. Due to the substantial energy efficiency improvement in motor technology that EC offers, many OEM product designers prefer it as the new standard motor to employ. The expansion of infrastructural facilities, growth of businesses in developing regions, need for electric vehicles due to environmental concerns, rise in consumer goods sales, and rapid growth in robotics are creating significant opportunities for the growth of the Asia Pacific AC electronically commutated (EC) centrifugal fans market. Moreover, the rise of connectivity and the Internet of Things (IoT) has significantly impacted the market. Fans systems can now be integrated into larger building management systems, allowing for centralized control, remote monitoring, and predictive maintenance. Connected centrifugal fans can communicate data such as fan speed, power consumption, and operating status, enabling users to optimize performance, troubleshoot issues, and make informed decisions.

IoT integration provides enhanced efficiency, reliability, and ease of management for fan systems. Hence, technological advancements in AC EC centrifugal fans are leading to significant trends in the market.

Asia Pacific AC Electronically Commutated (EC) Centrifugal Fans Market Overview

The Asia Pacific AC electronically commutated (EC) centrifugal fans market in APAC comprises economies such as China and India. These countries are witnessing an upsurge in the middle-class population and rising urbanization, offering ample opportunities to the key players in the centrifugal fans market. Rapid technological advancements, policy support, economic digitization, and the middle-income class community's growing disposable income support the economy's transition from the emerging to the developed phase. Further, APAC is the world's biggest consumer and machinery producer. Asian countries such as Malaysia, Indonesia, and Thailand have introduced distinct 4.0 roadmaps to organize and lead respective economic agendas set by these countries. Moreover, industrial transformation in APAC strengthens the position of such countries and establishes them as major manufacturing hubs owing to the growing acceptance of advanced technologies to improve competitiveness. China and Japan are the hubs of AC EC centrifugal fans manufacturing in APAC. Also, India has emerged as a manufacturing hub. The 'Make in India' campaign places India on the world map as a manufacturing center and globally recognizes its economy. India's manufacturing sector has the potential to cross US$ 1 trillion by 2025 according to the Indian Brand Equity Foundation, Thus, the aforementioned factors are anticipated to propel the AC EC centrifugal fans market growth in APAC in the coming years.

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

Asia Pacific AC Electronically Commutated (EC) Centrifugal Fans Market Segmentation

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

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

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

Based on power range, the Asia Pacific 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 Asia Pacific AC electronically commutated (EC) Above 5kW.

Based on country, the Asia Pacific AC electronically commutated (EC) centrifugal fans market is segmented into China, South Korea, Japan, Australia, India, and the Rest of Asia Pacific. In 2023, China segment registered a largest share in the Asia Pacific AC electronically commutated (EC) centrifugal fans market.

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

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