

# **South America AC Electronically Commutated (EC) Centrifugal Fans Market Forecast to 2027 -Regional Analysis By Diameter Size (Below 250mm, 251mm–400mm, 401mm–550mm, and 551mm–700mm) and Application (Air Conditioners, Refrigerators, Ventilation systems, Electronic Cabinets, and Others)**

<https://marketpublishers.com/r/SC9D59815239EN.html>

Date: August 2023

Pages: 113

Price: US\$ 3,000.00 (Single User License)

ID: SC9D59815239EN

## **Abstracts**

The South & Central America AC electronically commutated (EC) centrifugal fans market is expected to grow from US\$ 93.04 million in 2023 to US\$ 115.74 million by 2030. It is estimated to grow at a CAGR of 3.2% from 2023 to 2030.

### **Growing Demand of Electronically Commutated Fans Drive South & Central America 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 South & Central America 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.

## South & Central America AC Electronically Commutated (EC) Centrifugal Fans Market Overview

The South & Central America AC electronically commutated (EC) centrifugal fans market in South America is segmented into Brazil, Argentina, and the Rest of SAM. Governments of several economies across the region focus on attracting private investments to develop the infrastructure. In 2016, Law 13,334 introduced the Investment Partnership Program (Programa de Parceria de Investimentos or PPI) in Brazil, aiming to expand the interaction between the state and the private sector through partnership agreements to implement public infrastructure projects and other privatization measures. Such initiatives are likely to drive the construction sector in South America and propel the demand for AC EC centrifugal fans during the forecast period. According to the International Trade Administration, Chile needs to invest 3.5% of the country's GDP in obtaining a similar level of infrastructure as developed countries. However, currently, the country invests ~2.5% of its GDP in infrastructure development. The country's government announced a US\$ 28 billion Infrastructure Master Plan in 2014 to develop Chile's infrastructure by 2021. Such investments are further anticipated to positively impact the growth of the construction sector in the region. Further, the cost of operating fans and blowers has been decreasing with constant technological advancements. The increasing ongoing industrial activities are expected to create several opportunities for the South America AC EC centrifugal fans market in the coming years.

## South & Central America AC Electronically Commutated (EC) Centrifugal Fans Market Revenue and Forecast to 2030 (US\$ Million)

## South & Central America AC Electronically Commutated (EC) Centrifugal Fans Market Segmentation

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

Based on diameter size, the South & Central 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 South & Central America AC electronically commutated (EC) centrifugal fans market.

Based on application, the South & Central 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 South & Central America AC electronically commutated (EC) centrifugal fans market.

Based on power range, the South & Central 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 South & Central America AC electronically commutated (EC) Above 5kW.

Based on country, the South & Central America AC electronically commutated (EC) centrifugal fans market is segmented into Brazil, Argentina, the Rest of South & Central America. In 2023, Brazil segment registered a largest share in the South & Central America AC electronically commutated (EC) centrifugal fans market.

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

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