

South & Central America Rear Door Heat Exchanger Market Forecast to 2030 - Regional Analysis - By Type (Active and Passive) and End User (Data Center, IT and Telecommunication, Semiconductor, Education, Government, and Others)

<https://marketpublishers.com/r/SE5C9F6B00FEEN.html>

Date: February 2024

Pages: 65

Price: US\$ 3,550.00 (Single User License)

ID: SE5C9F6B00FEEN

Abstracts

The South & Central America rear door heat exchanger market was valued at US\$ 39.84 million in 2022 and is expected to reach US\$ 78.66 million by 2030; it is estimated to grow at a CAGR of 8.9% from 2022 to 2030.

Rising Number of Environmental Compliance Policies by Government Regarding Data Center Efficiency Fuels the South & Central America Rear Door Heat Exchanger Market

The government in many countries mandates or develops requirements to report environmental performance metrics and data centers' operating information in 2022.

The escalating number of environmental compliance regulations for data centers is a catalyst for the rear door heat exchanger market. As these regulations intensify, necessitating heightened energy efficiency and sustainability, rear door heat exchangers emerge as a pivotal component in optimizing cooling systems. Their role in improving overall energy efficiency aligns seamlessly with the evolving environmental standards imposed on data centers. The surge in demand for these heat exchangers reflects the industry's commitment to meeting stringent environmental criteria, reducing carbon footprints, and embracing sustainable practices. In essence, the rising focus on environmental compliance acts as a driving force propelling the rear door heat exchanger market, positioning them as essential elements in the quest for greener and more efficient data center operations. The rear door heat exchangers are widely used in data centers to promote higher density by eliminating heat, and they can utilize fluids that are much safer and more eco-friendly than traditional heat exchangers.

South & Central America Rear Door Heat Exchanger Market Overview

Many countries in South America (SAM), such as Peru, Bolivia, Paraguay, Argentina,

and Brazil, experience warm climates with high temperatures and humidity. Efficient cooling is essential to maintaining data center equipment within safe operating ranges. RDHx units are effective at removing heat from server racks in such environments, ensuring reliable performance. Further, SAM is rich in renewable energy sources, such as hydropower and solar energy. RDHx units can leverage these clean energy sources for cooling, further enhancing their environmental credentials and reducing operational costs. For instance, Brazil is leading the green-energy boom, with 27 GW of utility-scale solar and wind plants already operating and another 217 GW of capacity slated to come online by 2030. Also, the region's growing industries, including telecommunications and manufacturing, rely on data centers to support their operations. RDHx units ensure the reliability and efficiency of these data centers. Hence, the demand for rear door heat exchangers is increasing in SAM due to the region's growing data center market, energy efficiency concerns, and the need for reliable and resilient IT infrastructure. RDHx units offer an effective solution for addressing these challenges while supporting the region's economic and technological development.

South & Central America Rear Door Heat Exchanger Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Rear Door Heat Exchanger Market Segmentation

The South & Central America rear door heat exchanger market is segmented based on type, end user, and country.

Based on type, the South & Central America rear door heat exchanger market is bifurcated into active and passive. The active segment held a larger share in 2022.

By end user, the South & Central America rear door heat exchanger market is segmented into data center, IT and telecommunication, semiconductor, education, government, and others. The data center segment held the largest share in 2022.

Based on country, the South & Central America rear door heat exchanger market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America rear door heat exchanger market in 2022.

nVent Electric plc; Vertiv Group Corp.; International Business Machines Corp; and Airedale International Air Conditioning Ltd are some of the leading companies operating in the South & Central America rear door heat exchanger market.

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