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Europe 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)

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Abstracts

The Europe rear door heat exchanger market was valued at US$ 146.65 million in 2022 and is expected to reach US$ 348.38 million by 2030; it is estimated to grow at a CAGR of 11.4% from 2022 to 2030.
Rising Number of Environmental Compliance Policies by Government Regarding Data Center Efficiency Fuels the Europe 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. Data center managers are helping to develop effective and simple energy-efficiency metrics. These metrics are required under EC European Energy Efficiency Directive (EED) recast are likely to be included in regulation and legislation in other jurisdictions. According to CloserStill Media Ltd, France is one of the hottest data center markets in the European Union, with the French data center market projected to reach an annual investment of US$ 9.7 billion in 2023 and growing to US$ 11 billion by 2027. Further, the German Bundestag is expected to pass an amended Energy Efficiency Act soon. The German Data Center Association still has concerns that this will affect data center operations in the country. The Energy Efficiency Act aimed to achieve a 26.5% cut in Germany's energy consumption by 2030, compared with 2008 levels. Also, in 2022, the first draft demanded all new data centers to ensure that 30% of their waste heat is used by other organizations from 2024 and 40% from 2027. The Act is expected to drop a requirement to locate all data centers within 5 km of a heating network, and data centers will be able to satisfy the requirement by making all new data centers "ready" to offer waste heat by including a heat transfer station on the site. They will then have to

offer their waste heat and give the heating network six months to respond. Hence, the rising number of environmental compliance policies by government regarding data center efficiency is expected to provide many opportunities for the Europe rear door heat exchanger market.

Europe Rear Door Heat Exchanger Market Overview

The Europe rear door heat exchanger market in Europe is segmented into Germany, France, Italy, the UK, Spain, and the Rest of Europe. In Europe, citizens in all corners and companies of all sizes are highly adopting digital transformation. The opportunities arising from digitization bring new products, services, and industrial processes - all of which depend on the effective handling of data. Thus, European economies are becoming more and more data-hungry. The demand for data has increased globally. The digital shift in the economy in Europe is enabled by high-tech infrastructure, with large-scale data centers forming the backbone of the digital infrastructure. For instance, Google has invested heavily in fiber infrastructure data centers in Europe. Google operates hyper-scale data centers in four European regions: Hamina-Kotka in Finland, St. Ghislain-Mons in Belgium, Eemshaven-Groningen in The Netherlands, and Dublin in Ireland. Google's data center investments have helped the economic activity in Europe with US$ 515.24 million per year in gross domestic product (GDP). Google's data center investments have supported 6,600 jobs per year on average. Furthermore, Google is entrusted to purchase sufficient renewable energy to cover the consumed electricity at its operations and data centers. In Europe, Google achieved this by signing corporate Power Purchase Agreements (PPAs) to buy power from renewable energy power plants at an approved price and on a long-term basis. A PPA facilitates the developer's ability to finance these plants and promotes investment in renewables and the transition toward green energy. These agreements help de-carbonize Europe's energy supply. Also, various companies are launching data centers in Europe. For instance, in September 2023, a new European hyperscale data center builder was announced by the Apto company. Apto aimed to build and operate data centers for cloud service providers expanding in Europe. Similarly, in March 2023, Vanta announced that it was scaling its investment in the European market with the opening of a new EU data center, launching localized product features and updated policy frameworks, and expanding its partner ecosystem better to serve Vanta's rapidly growing customer base in Europe. Hence, with the increasing number of data centers in Europe, the demand for rear door heat exchangers is increasing, as these exchangers offer various benefits to data centers, such as energy efficiency, heat removal, less space requirement, flexibility, and low maintenance.

Europe Rear Door Heat Exchanger Market Revenue and Forecast to 2030 (US$ Million)

Europe Rear Door Heat Exchanger Market Segmentation

The Europe rear door heat exchanger market is segmented based on type, end user,

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and country.

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

By end user, the Europe 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 Europe rear door heat exchanger market is segmented into Germany, the UK, France, Russia, Italy, and the Rest of Europe. Germany dominated the Europe rear door heat exchanger market in 2022.

Airedale International Air Conditioning Ltd; Coolcentric; International Business Machines Corp; Nortek Air Solutions, LLC; nVent Electric plc; Stulz UK Ltd; USystems Limited; and Vertiv Group Corp. are some of the leading companies operating in the Europe rear door heat exchanger market.

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