+357 96 030922
info@marketpublishers.com

Global Automotive Exhaust Heat Recovery (EHR) System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G242F8C7CF4GEN.html
Date: February 2026
Pages: 96
Price: US$ 3,480.00 (Single User License)
ID: G242F8C7CF4GEN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Exhaust Heat Recovery (EHR) System market size was valued at US$ 167 million in 2025 and is forecast to a readjusted size of US$ 464 million by 2032 with a CAGR of 15.9% during review period.

Exhaust Heat Recovery (EHR) is an energy efficiency improvement technology that utilizes the high-temperature heat energy in engine exhaust that is not yet used. It recovers and reuses the heat energy through heat exchange, power generation, or power coupling. Its core purpose is to convert waste heat that would otherwise be directly emitted into the environment into usable electrical, mechanical, or thermal energy for onboard power generation, auxiliary drive, coolant heating, cabin or powertrain thermal management, thereby reducing fuel consumption, shortening cold start warm-up time, and reducing emissions. This system is widely used in gasoline vehicles, hybrid vehicles, and commercial vehicles, and is one of the important technical paths to improve the thermal efficiency of the vehicle and meet increasingly stringent emission regulations.

Against the backdrop of the global automotive industry's accelerated transformation towards energy conservation, emission reduction, and high efficiency, exhaust heat recovery (EHR) systems are gradually becoming a crucial technological path to improve vehicle thermal efficiency and reduce fuel consumption. During operation, internal combustion engines lose a significant amount of energy as waste heat through the exhaust system. EHR systems effectively improve energy efficiency by reusing this heat, demonstrating clear application value in traditional gasoline vehicles, hybrid vehicles, and some range-extended electric vehicles.

+357 96 030922
info@marketpublishers.com

From a technical perspective, EHR systems, through heat exchangers, valve bodies, and control units, recover the high-temperature heat energy from engine exhaust and convert it into usable heat. This heat is primarily used for engine coolant heating, cabin heating systems, powertrain preheating, or auxiliary power generation. Compared to traditional methods relying on fuel or electricity for heating, EHR systems can significantly shorten engine and cabin warm-up time during cold starts, thereby reducing fuel consumption and emissions, and improving driving comfort. This characteristic makes it particularly relevant in meeting increasingly stringent emission regulations and energy consumption limits.

From a market demand perspective, the development of EHR (Exhaust Heat Recovery) systems is highly correlated with the upgrading of global emissions regulations. Major automotive markets such as Europe, China, and Japan are continuously tightening carbon emission and fuel consumption standards, prompting OEMs to constantly explore the energy-saving potential of internal combustion engine systems. Especially in cold regions and under high-frequency short-distance operating conditions, exhaust heat recovery systems have a more significant advantage in reducing cold-start fuel consumption and emissions. Furthermore, in hybrid vehicles, the intermittent operation of the engine further amplifies the difficulty of thermal management, creating new application opportunities for EHR systems.

From an industry chain perspective, automotive exhaust heat recovery systems are a typical automotive thermal management subsystem. Upstream involves high-temperature resistant materials such as stainless steel and aluminum alloys, as well as precision-machined components; midstream consists of system and module suppliers; and downstream directly supplies OEMs. Suppliers with accumulated thermal management technology, system integration capabilities, and experience in collaborative development with OEMs have a greater competitive advantage in the market. Currently, the global market is dominated by European, American, and Japanese automotive parts companies with advantages in technology and customer resources. Meanwhile, the competitiveness of China's domestic supply chain in cost control, response speed, and large-scale manufacturing is continuously improving.

From a regional market perspective, Europe, with its most stringent emission regulations, is one of the most proactive markets in adopting and implementing EHR systems. Japan, with its mature hybrid technology, has a high acceptance rate of exhaust thermal management systems. China, driven by energy conservation and emission reduction policies and the increasing penetration rate of hybrid vehicles,

+357 96 030922
info@marketpublishers.com

possesses medium- to long-term growth potential. In contrast, the North American market has been relatively cautious in its adoption of EHR systems, but structural opportunities still exist as regulations become stricter in the future.

Looking ahead, automotive exhaust heat recovery systems will place greater emphasis on system integration, intelligent control, and synergistic optimization with the vehicle's thermal management system. With the diversification of automotive powertrains, EHR systems will no longer be just a single energy-saving component, but will gradually become an important part of the overall vehicle thermal management architecture. Overall, given the continued existence of traditional internal combustion engines and hybrid vehicles, automotive exhaust heat recovery systems, as a key technology for improving energy efficiency and reducing emissions, will continue to demonstrate their market value and strategic significance.

This report is a detailed and comprehensive analysis for global Automotive Exhaust Heat Recovery (EHR) System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive Exhaust Heat Recovery (EHR) System market size and forecasts, in consumption value ($ Million), sales quantity (K Sets), and average selling prices (US$/Set), 2021-2032

Global Automotive Exhaust Heat Recovery (EHR) System market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Sets), and average selling prices (US$/Set), 2021-2032

Global Automotive Exhaust Heat Recovery (EHR) System market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Sets), and average selling prices (US$/Set), 2021-2032

Global Automotive Exhaust Heat Recovery (EHR) System market shares of main players, shipments in revenue ($ Million), sales quantity (K Sets), and ASP (US$/Set), 2021-2026

+357 96 030922
info@marketpublishers.com

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Exhaust Heat Recovery (EHR) System

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Exhaust Heat Recovery (EHR) System market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DANA, Faurecia, SANGO, Borgwarner, T.RAD, Futaba Industrial, BOSAL, Vernet, BENTELER, Meilianqiao Technology Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Automotive Exhaust Heat Recovery (EHR) System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Exhaust Gas Heat Recovery (EGHR)

Rankine Cycle Systems

Thermoelectric Generator

+357 96 030922
info@marketpublishers.com

Electric Turbo Compounding (ETC)

Market segment by System Structure

Passive

Active

Market segment by Vehicle Models

Gasoline Vehicles

Hybrid Vehicles

Market segment by Application

Passenger Cars

Commercial Vehicles

Major players covered

DANA

Faurecia

SANGO

Borgwarner

T.RAD

Futaba Industrial

BOSAL

+357 96 030922
info@marketpublishers.com

Vernet

BENTELER

Meilianqiao Technology Group

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Exhaust Heat Recovery (EHR) System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Exhaust Heat Recovery (EHR) System, with price, sales quantity, revenue, and global market share of Automotive Exhaust Heat Recovery (EHR) System from 2021 to 2026.

Chapter 3, the Automotive Exhaust Heat Recovery (EHR) System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Exhaust Heat Recovery (EHR) System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

+357 96 030922
info@marketpublishers.com

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Automotive Exhaust Heat Recovery (EHR) System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Exhaust Heat Recovery (EHR) System.

Chapter 14 and 15, to describe Automotive Exhaust Heat Recovery (EHR) System sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE EXHAUST HEAT RECOVERY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Automotive Exhaust Heat Recovery (EHR) System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/G242F8C7CF4GEN.html

Price: US$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G242F8C7CF4GEN.html