

Global Automotive Charge Air Cooler Market Growth 2024-2030

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Abstracts

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Hot air entering engine can create a higher combustion temperature, which creates a greater nitrogen oxide formation and increases thermal load on the engine and related components. Charge air cooler act as a cooling interface, which transforms hot air coming from a turbocharger or a supercharger to cool air entering combustion engine. CACs also contribute towards a reduction in turbo lag and an improvement in engine volumetric efficiency with lower engine displacement.

The global Automotive Charge Air Cooler market size is projected to grow from US\$ 2759.8 million in 2023 to US\$ 4272.4 million in 2030; it is expected to grow at a CAGR of 6.4% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Charge Air Cooler Industry Forecast” looks at past sales and reviews total world Automotive Charge Air Cooler sales in 2023, providing a comprehensive analysis by region and market sector of projected Automotive Charge Air Cooler sales for 2024 through 2030. With Automotive Charge Air Cooler sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Charge Air Cooler industry.

This Insight Report provides a comprehensive analysis of the global Automotive Charge Air Cooler landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Charge Air Cooler portfolios and capabilities, market entry strategies,

market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Charge Air Cooler market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Charge Air Cooler and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Charge Air Cooler.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Charge Air Cooler market by product type, application, key manufacturers and key regions and countries.

Segmentation by type

Air-Cooled Charge Air Cooler

Liquid-Cooled Charge Air Cooler

Segmentation by application

Passenger Car

Commercial Vehicle

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Calsonic Kansei Corporation

Dana Incorporated

Hanon Systems

MAHLE GmbH

Denso Corporation

T.RAD Co., Ltd.

Modine Manufacturing Company

Valeo Group

Rochling Group

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Charge Air Cooler market?

What factors are driving Automotive Charge Air Cooler market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Charge Air Cooler market opportunities vary by end market size?

How does Automotive Charge Air Cooler break out type, application?

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