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Global Engine Cooling Fan Modules Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GC89F2E19F28EN.html
Date: August 2026
Pages: 113
Price: US$ 3,480.00 (Single User License)
ID: GC89F2E19F28EN

Abstracts

According to our (Global Info Research) latest study, the global Engine Cooling Fan Modules market size was valued at US$ 10696 million in 2025 and is forecast to a readjusted size of US$ 15546 million by 2032 with a CAGR of 5.5% during review period.

In 2025, global sales of engine cooling fan modules reached 105 million units, with an average selling price of $99 per unit. Total global production capacity stands at approximately 132 million units annually, and the industry's average gross margin is around 24%. As core actuating components within automotive thermal management systems, these modules typically comprise a fan impeller, a brushless DC motor, an electronic controller, a fan shroud, wiring harness connectors, brackets, and vibration-damping structures. They are primarily installed behind the radiator or condenser, dissipating heat generated by the engine, hybrid system, and powertrain through controlled airflow; this ensures stable engine operation within the optimal temperature range while facilitating efficient heat exchange for the A/C condenser and front-end cooling module.

Upstream raw materials and components include PP/PA engineering plastics, brushless motors, copper wire, silicon steel sheets, power semiconductors, PCBs, connectors, bearings, and fasteners. Midstream activities involve automotive thermal management component manufacturers performing tasks such as fan impeller injection molding, motor assembly, controller integration, dynamic balancing tests, and durability validation of the complete unit. Downstream products are primarily supplied to vehicle OEMs, Tier 1 thermal management assembly suppliers, the aftermarket service sector, and the commercial vehicle supply market. Future development focuses on the transition to

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brushless motors, PWM-based intelligent speed control, low-noise blade designs, lightweight integrated front-end modules, and coordinated thermal management control for new energy vehicles. Demand and business opportunities are driven by replacement needs for the global vehicle parc, thermal management upgrades for hybrid and high-efficiency internal combustion vehicles, emission regulations mandating improved engine efficiency, and the ongoing requirement for multi-circuit cooling and intelligent airflow control in electric vehicle platforms.

This report is a detailed and comprehensive analysis for global Engine Cooling Fan Modules 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 Engine Cooling Fan Modules market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Engine Cooling Fan Modules market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Engine Cooling Fan Modules market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Engine Cooling Fan Modules market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

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 Engine Cooling Fan Modules

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

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To assess competitive factors affecting the marketplace

This report profiles key players in the global Engine Cooling Fan Modules 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 Johnson Electric, Gates, Horton, DENSO, Bell Intercoolers, Valeo, MAHLE, Brose, Hanon Systems, SPAL Automotive, etc.

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

Market Segmentation

Engine Cooling Fan Modules 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

Brushed DC Motor Fan Module

Brushless DC Motor Fan Module

Market segment by Power

Power: ?150W

Power: 150?400W

Power: 400?800W

Market segment by Number of Fans

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Single-fan Module

Dual-fan Module

Market segment by Application

Passenger Vehicles

Commercial Vehicles

Major players covered

Johnson Electric

Gates

Horton

DENSO

Bell Intercoolers

Valeo

MAHLE

Brose

Hanon Systems

SPAL Automotive

YINLUN

XUELONG

Ebm-papst

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Astemo

LANGXIN

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 Engine Cooling Fan Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Engine Cooling Fan Modules, with price, sales quantity, revenue, and global market share of Engine Cooling Fan Modules from 2021 to 2026.

Chapter 3, the Engine Cooling Fan Modules competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Engine Cooling Fan Modules breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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.

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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 Engine Cooling Fan Modules 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 Engine Cooling Fan Modules.

Chapter 14 and 15, to describe Engine Cooling Fan Modules sales channel, distributors, customers, research findings and conclusion.

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