

# Global Light Vehicle Fans & Blowers Market - Passenger Cars and Light Commercial Vehicles

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## Abstracts

Fans form the main component of engine cooling systems while blowers are heart of the vehicle HVAC systems. Global demand for fans and blowers in light vehicles is directly correlated to the production of vehicles. Light vehicles segment, which includes passenger cars and light commercial vehicles, constitute the largest segment of automotive vehicles produced on a worldwide basis estimated at 85.4 million units in 2015 and is projected to touch 100 million mark by 2020.

The segments of light vehicles covered in this report include both passenger cars and light commercial vehicles comprising Light Trucks, Mini Vans, Multi-Purpose Vehicles (MPVs), Compact MPVs, Sedans, Small Cars or Hatchbacks, Sports Utility Vehicles (SUVs), Compact SUVs and Vans. Global consumption of fans in light vehicles, estimated at 120 million units in 2015, is projected to reach 140 million units by 2020 at a CAGR of 3.2% over 2014-2020. On the other hand, the global volume consumption of blowers in light vehicles is expected to maintain a slightly better 3.5% CAGR during the above mentioned period and reach a projected 102 million units by 2020, owing to the increasing penetration of air conditioned vehicles in the light vehicles segment.

Light vehicle fan types analyzed in this study include both electric fans and mechanical fans along with their applications comprising engine cooling fans, comprising radiator cooling fans and air-conditioner condenser cooling fans. Light vehicle HVAC blower types analyzed in this report include single wheel blower and double wheel blower. The report focuses only on light vehicle original equipment manufacturer (OEM) fans and blowers market and does not include aftermarket fans and blowers.

The report reviews, analyses and projects the Light Vehicle Fans & Blowers market for the global and regional markets including Asia-Pacific, Europe, North America, South

America and Rest of World. The regional markets further analyzed for 41 independent countries across Asia-Pacific – Australia, China, India, Indonesia, Japan, Korea, Malaysia, Pakistan, the Philippines, Taiwan and Thailand; Europe – Austria, Belarus, Belgium, Czech Republic, Finland, France, Germany, Hungary, Italy, the Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden and the UK; North America – Canada, Mexico and the United States; South America – Argentina, Brazil and Venezuela; and Rest of World – Russia, South Africa, Turkey, Ukraine and Uzbekistan.

This 586 page market research report includes 858 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. The statistical tables represent the data for the global light vehicle fans & blowers market value in USD and volume in units by geographic region, vehicle segment and product segment. The report profiles 32 major market players across Asia-Pacific – 22; Europe – 6; and North America – 4. The research also provides the listing of the companies engaged in manufacturing and supply of light vehicle engine cooling fan modules, fans, HVAC systems and blowers. The global list of companies covers addresses, contact numbers and the website addresses of 328 companies.

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#### **2. MAJOR MARKET PLAYERS**

Air International Thermal Systems

Borgwarner Inc.

Brose Fahrzeugteile GmbH & Co KG

Calsonic Kansei Corporation

DENSO Corporation

Doowon Climate Control Co Ltd

Hanon Systems Corp. Formerly Halla Visteon Climate Control Corp.

Horton Holding, Inc.

Johnson Electric Group

Keihin Corporation

Korea Delphi Automotive Systems Corporation (KDAC)

Mahle Behr GmbH & Co. KG

Mitsubishi Heavy Industries Ltd

Sanden Holding Corporation

SPAL Automotive Srl

Valeo SA

Xinxiang Aviation Industry (Group) Co Ltd

Other Prominent Players

Amotech Co., Ltd.

Delta Electronics, Inc.

Donghwan Industrial Corp.

ebm-papst Group

Magna International Inc.

Pelonis Technologies, Inc.

Robert Bosch GmbH

Samvardhana Motherson Group

Shanghai Aerospace Automobile Electromechanical Co Ltd

Shanghai Velle Auto Air Conditioning Co Ltd

Songz Automobile Air Conditioning Co Ltd

Subros Limited

Sunonwealth Electric Machine Industry Co Ltd

Tata Autocomp Systems Ltd

Xiezhong International Holdings Limited

### **3. KEY BUSINESS AND PRODUCT TRENDS**

Halla Visteon Rechristened as Hanon Systems

MAHLE Takes Over Thermal Management Division of Delphi

DENSO Acquires Stake in DJ COOL Corporation

Calsonic Kansei Commences Production in Dalian, China

Air International Thermal Systems Expands Auburn Hills Operations

Calsonic Kansei's New Indian Plant Commences Manufacture of Compressors

DENSO Ceases Australian Operations

Halla Visteon to Commence Production in New Central Mexico Facility

Denso Corporation and Subros Ltd Enter into an MoU

DENSO Takes Over Stake in Hefei Dyne Auto Air Conditioner

Halla Visteon's South American Facility Starts Production

Xiezhong International and Beijing New Energy Automobile Form an Alliance

Halla Visteon to Acquire Majority Stake in Chinese Joint Venture

DENSO Renames Three Manufacturing Companies

Halla Visteon Provides Solutions for the First Mass-Produced Fuel Cell Electric Vehicle

DENSO Debuts Automotive Climate Control Unit

DENSO and Toyota Industries Set Up Automotive Air-Conditioning Compressor

Manufacturing Unit in China

Tata Toyo and Air International Form a Joint Venture

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Japan Climate Systems and Xadacorp Earmark RM50 Million for Mazda Cars JV  
Halla Visteon Commences Production in Russia  
Halla Visteon's Alabama Plant Expanded  
Keihin Corp and Sanden Corp Sign a Letter of Intent  
Bosch Electrical Drives India Opens Chennai Facility  
DENSO East Japan Expands Plant  
DENSO Acquires Shimizu Industry UK  
Mitsubishi Heavy Industries Automotive Thermal Systems Co Ltd to Commence Production  
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