

Global Commercial Vehicle Fans and Blowers Market – Medium Trucks, Heavy Trucks and Buses

“The report reviews, analyzes and projects the global market for Fans & Blowers in Commercial Vehicle Engine Cooling and HVAC for the period 2010-2020.”

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SUMMARY

Fans are integral part of commercial vehicle thermal management systems such as engine radiator cooling and air-conditioner (A/C) condenser cooling. Demand for fans in commercial vehicle segment is closely correlated to the production of commercial vehicles. While mechanical fans dominate the commercial vehicle engine cooling applications, the electric fans are used in A/C condenser cooling such as those used in bus A/C systems. Volume consumption of fans in medium & heavy trucks, estimated at 5.7 million units in 2015, and expected to be 5.9 million units in 2016, is further projected to reach 6.8 million units by 2020 thereby exhibiting a CAGR of 3.1% during 2014-2020. During the same analysis period, the global volume market for fans in buses, on the other hand, is likely to post a CAGR of 4.7% and to reach a projected 1.6 million units by 2020.

Global commercial vehicle production has witnessed a slight decrease, almost in all the regions, in recent past owing to the global financial crisis. On a global basis, the production of medium & heavy trucks and buses has recorded a negative cumulative growth of 0.8% and 1% respectively during 2010-2014, but expected to be back on the track with respective CAGRs of 2.4% and 3.1% for the forthcoming five year period.

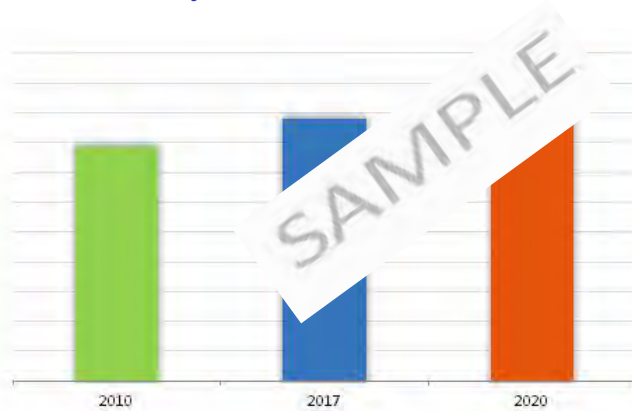
Blowers are part of vehicle HVAC systems and the demand for HVAC systems in commercial vehicles has grown significantly over the last decade, specifically in Asia-Pacific, and is on the rise. While trucks use up to couple of blowers in their HVAC systems, bus HVAC systems use multiple blowers up to 12 in a single system. The global volume market for blowers in medium & heavy trucks is expected to register the fastest CAGR of 4.8% during the analysis period and to reach 3.1 million units by 2020 from an estimated 2.4 million units in 2015. Volume consumption of blowers in buses, estimated at 1.3 million units in 2015.

Commercial vehicle fans applications analyzed in this study include engine cooling fans, which comprise radiator cooling fans and air-conditioner condenser cooling fans. Fan types analyzed in this study

include both electric fans and mechanical fans. Blower applications analyzed in this study include HVAC blowers. Commercial vehicle types explored in this study include medium trucks, heavy trucks and buses. The report focuses on commercial vehicle original equipment manufacturer (OEM) fans and blowers market only and does not include aftermarket.

This global market research report includes 725 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 commercial vehicle fans & blowers market value in US\$ and volume in units by geographic region and product segment. The report profiles 30 major market players across Asia-Pacific – 18; Europe – 11; and North America – 6. The research also provides the listing of the companies engaged in manufacturing and supply of commercial vehicle engine cooling fan modules, fans, HVAC systems and blowers. The global list of companies covers addresses, contact numbers and the website addresses of 204 companies.

Global Market Analysis (2010-2020) for Fans & Blowers in Medium & Heavy Trucks in Volume ('000 Units)



SAMPLE COMPANY PROFILE

DENSO CORPORATION (JAPAN)

1-1, Showa-cho, Kariya, Aichi 448-8661, Japan

Phone: +81-566-25-5511

Website: www.denso.co.jp, www.globaldenso.com

Business Profile

Denso Corp, founded in 1949 and based in Aichi, Japan, is a major global provider of automotive technology, systems and components for leading auto manufacturers, with the company's sales in 2014 reaching US\$35.9 billion. The company has employee strength of 146,000 working in 220 group companies. Denso is active in supplying products for the automotive and non-automotive industries, with automotive products comprising air conditioners, heaters, electrical & electronic devices, fuel management systems and ITS devices and non-automotive products including consumer products and factory automation products such as compact robots.

Automotive Operations

Operating Unit	Particulars
Powertrain Control Systems	Engaged in developing and manufacturing products for hybrid and electric vehicles, gasoline and diesel engine management systems and components, powertrain control systems, starters and power-generation systems such as alternators
Electronic Systems	Engaged in developing and manufacturing semiconductor sensors, microelectronic devices such as ICs, and electronics products such as engine electronic control units (ECUs)
Thermal Systems	Engaged in developing and manufacturing car and bus air conditioning systems, cooling systems and components such as radiators and cooling fans
Information & Safety Systems	Engaged in developing and manufacturing ITS (Intelligent Transport System) products such as car navigation and ETC (Electronic Toll Collection) systems, telematics products, driving control and safety products (airbags sensors and ECUs), body electronics and meters
Small Motors	Engaged in developing and manufacturing motors for windshield wiper systems, power windows, power seats, power sliding doors, power steering, engine control systems and other automotive systems

Product Portfolio

The Thermal Systems business operation of Denso develops and manufactures car and bus air conditioning systems, cooling systems and components such as radiators and cooling fans. Major products and solutions offered by this division include air-conditioning systems for cars, radiators, cooling fans, inter coolers, oil coolers, engine cooling modules, reserve tanks, engine cooling module, air-conditioning systems for buses and construction equipment, truck refrigeration units and air purifiers.

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SAMPLE TABLE/CHART

Glance at 2015 Global Volume Market Share (%) Analysis for Fans in Medium & Heavy Truck Engine Cooling by Geographic Region – Asia-Pacific, Europe, North America, South America and Rest of World



Asia-Pacific Production Analysis (2020) for Medium & Heavy Trucks by Vehicle Type in Units



KEY PLAYERS PROFILED

- Aisin Chemical Co Ltd
- Bergstrom Climate Systems
- Borgwarner Inc.
- Denso Corporation
- Donghwan Industrial Corp.
- Doowon Climate Control Co Ltd
- EBM-PAPST Group
- Horton Holding, Inc.
- Internacional Hispacold, S.A.
- Kendrion (Markdorf) GmbH
- Konvekta AG
- MAHLE Behr GmbH & Co. KG
- Robert Bosch GmbH
- Spheros GmbH
- Subros Limited
- Thermo King
- Xinxiang Aviation Industry (Group) Co Ltd
- Zhengzhou Guichen Industry Co., Ltd.

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