

# **Global Commercial Vehicle Fans & Blowers Market - Medium Trucks, Heavy Trucks and Buses**

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## **Abstracts**

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.

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.

The report reviews, analyses and projects the Medium and Heavy Truck 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 35 independent countries across Asia-Pacific – Australia, China, India, Indonesia, Japan, Korea, Malaysia, Pakistan, Philippines, Taiwan and Thailand; Europe – Austria, Belarus, Belgium, Czech Republic, France, Germany, Hungary, Italy, Netherlands, Poland, Portugal, Spain, Sweden and The United Kingdom; North America – Canada, Mexico and The United States; South America – Argentina, Brazil and Venezuela; and Rest of World – Russia, South Africa, Turkey and Ukraine.

The study also explores Bus Fans & Blowers market for global and the regional markets including Asia-Pacific, Europe, North America, South America and Rest of World. The regional markets further analyzed for 29 independent countries across Asia-Pacific – China, India, Indonesia, Japan, Korea, Malaysia, Pakistan, Taiwan and Thailand; Europe – Belarus, Belgium, Czech Republic, France, Germany, Italy, Netherlands, Poland, Serbia, Spain, Sweden and The United Kingdom; North America – Canada and The United States; South America – Argentina and Brazil; and Rest of World – Russia, South Africa, Turkey and Ukraine.

This 533 page 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 35 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.

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Aisin Chemical Co Ltd

Bergstrom Climate Systems

Borgwarner Inc.

Denso Corporation

Donghwan Industrial Corp.

Doowon Climate Control Co Ltd

Eberspacher Sotrak GmbH & Co. KG

EBM-PAPST Group

Engineered Machined Products, Inc.

Guangzhou Jingyi Automobile Air Conditioning Co., Ltd.

Horton Holding, Inc.

Internacional Hispacold, S.A.

Kendrion (Markdorf) GmbH

Konvekta AG

MAHLE Behr GmbH & Co. KG

Mobile Climate Control Group Holding AB

Modine Manufacturing Company  
Robert Bosch GmbH  
Samvardhana Motherson Group  
Songz Automobile Air Conditioning Co Ltd  
SPAL Automotive Srl  
Spheros GmbH  
Subros Limited  
Thermo King  
Usui Kokusai Sangyo Kaisha Ltd  
Webasto SE  
Xiezhong International Holdings Limited  
Xinxiang Aviation Industry (Group) Co Ltd  
Xuelong Group Co Ltd  
Zhengzhou Guchen Industry Co., Ltd.

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Launch of EBM-PAPST Fan Solutions for Bus Air-Conditioning Systems at the Busworld Trade Show  
New Live Center LCV40 and LCV80 Viscous Fan Drives from Horton  
Launch of First and Only Structural Thermoset Composite-based Fan on Market by Horton  
BorgWarner Viscronic Fan Drives Equipped on Freightliner Cascadia Trucks Deliver Efficient and Reliable Cooling  
New DuroSpeed 2-Speed Fan Drive from BorgWarner for Vocational and Off-Highway Trucks  
Spheros Acquired Indiana-based ACC Climate Control  
DENSO Takeover Half of the Assets of DJ Cool Corporation  
Significant Cooling Module Award in China Received by Modine  
EMP and Walmart Jointly Developed an Innovative Remote Mount AC Condenser  
Horton WindShift WSE Offer Enhanced Airflow and Less Operating Noise  
Athenia E-Series Air-Conditioning Modules from Thermo King Offer Sustainable Transport and Passenger Mobility  
Inauguration of Spheros' New Noida Production Facility  
Opening of Ingersoll Rand's Novel Production Facility in Olomouc, Czech Republic  
Manufacture of Viscronic Fan Drives Started at BorgWarner's New Facility in Itatiba City, Brazil  
Horton Modulator LCV40 Fan Drive and WindMaster Plastic LS11 Fan Enhance Fuel Economy

Spheros China Inaugurated Novel Production Facility in Suzhou  
Innovative Product Development Corporation Acquired by Bergstrom  
Subros Established New Facility at Oragadam to Produce Commercial Vehicle Air-Conditioners  
Development of New Lightweight, Energy Efficient HVAC Platform from Thermo King  
Launch of New WindShift WSC and WSD Fan Blades from Horton  
Establishment of Spheros Australia (Pty) Ltd  
Formation of Eberspaecher Mikuni Climate Control Systems Corporation  
Modine's Advanced Cooling System Helps Transit Buses Enhance Fuel Economy  
CJSC Eberspaecher Climate Control Systems is the New Name of OTEM ZAO  
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Bergstrom Inked Collaboration with SEA SRL

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