

# 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

Ebersp?cher S?trak 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.

#### 3. KEY BUSINESS AND PRODUCT TRENDS

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 Visctronic Fan Drives Equipped on Freightliner Cascadia Trucks Deliver Efficient and Reliable Cooing

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 Ovc?ry-Kol?n, Czech Republic Manufacture of Visctronic 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 Dirna S.A. Acquired by Bergstrom

Bergstrom Inked Collaboration with SEA SRL

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