



## **BorgWarner Secures First High Voltage eFan System Win**

- *Efficient and robust 40kW system combines cooling fan, electric motor and inverter*
- *eFan system will be used on battery electric heavy-duty long-haul trucks*
- *The possibility of using different cooling fans allows the basic system to be used in a large number of electric commercial vehicles*

*Auburn Hills, Michigan, February 15, 2022* – BorgWarner has been selected by a major European Commercial Vehicle OEM to provide its eFan system for battery-powered long-haul road transport vehicles. This is the company's first business win for the high-voltage (HV) eFan system, which is tailored to the customer's individual needs. It will be implemented on vehicles for the European market. Production is expected to commence in late 2024.

"We are a long-standing technology partner of this customer and this business win signals continued confidence in BorgWarner's thermal management expertise," said Joe Fadool, President and General Manager, BorgWarner Emissions, Thermal and Turbo Systems. "Vehicle manufacturers face technically challenging emissions goals that are driving a transition from fossil fueled combustion engines toward CO<sub>2</sub>-neutral drivetrains across transportation segments. Our eFan system will perform a key role in cooling strategies for high-voltage electrified vehicles."

New generations of fully electric heavy-duty trucks will require dedicated high-voltage thermal management solutions like the eFan system to cool components such as the e-motor, battery and electronics. BorgWarner has specifically optimized its fan design for performance and efficiency using computational fluid dynamics. The HV eFan is driven by a robust e-motor, which is powered by the vehicle's electrical system via an inverter. The power density of the motor is very high, rated at 40kW output with compact dimensions. Similarly, it is optimized for speeds below 3000 rpm. The electric motor is liquid-cooled, and the entire package is completely encapsulated for reliable long-term operation. The system has a wide operating range from less

than 650 volts up to 850 volts, ensuring compatibility with a variety of high-voltage commercial vehicle electrical systems.

BorgWarner is a market and product leader in thermal management technology. This expertise is the result of many years of developing system simulation, design and test capabilities to meet the needs of global customers while also improving fuel economy and reducing emissions. With this new HV eFan solution, BorgWarner is supporting OEMs by helping them comply with increasingly strict emission regulations for heavy duty vehicle fleets in Europe.

### **About BorgWarner**

BorgWarner Inc. (NYSE: BWA) is a global product leader delivering innovative and sustainable mobility solutions for the vehicle market. Building on its original equipment expertise, BorgWarner also brings market leading product and service solutions to the global aftermarket. With manufacturing and technical facilities in 93 locations in 22 countries, the company employs approximately 49,000 people worldwide. For more information, please visit [borgwarner.com](http://borgwarner.com).



BorgWarner's efficient and robust eFan combines cooling fan, electric motor and inverter.

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historical fact contained or incorporated by reference in this press release that we expect or anticipate will or may occur in the future regarding our financial position, business strategy and measures to implement that strategy, including changes to operations, competitive strengths, goals, expansion and growth of our business and operations, plans, references to future success and other such matters, are forward-looking statements. Accounting estimates, such as those described under the heading “Critical Accounting Policies and Estimates” in Item 7 of our most recently-filed Annual Report on Form 10-K (“Form 10-K”), are inherently forward-looking. All forward-looking statements are based on assumptions and analyses made by us in light of our experience and our perception of historical trends, current conditions and expected future developments, as well as other factors we believe are appropriate under the circumstances. Forward-looking statements are not guarantees of performance, and the Company’s actual results may differ materially from those expressed, projected or implied in or by the forward-looking statements.

You should not place undue reliance on these forward-looking statements, which speak only as of the date of this press release. Forward-looking statements are subject to risks and uncertainties, many of which are difficult to predict and generally beyond our control, that could cause actual results to differ materially from those expressed, projected or implied in or by the forward-looking statements. These risks and uncertainties, among others, include: supply disruptions impacting us or our customers, such as the current shortage of semiconductor chips that has impacted original equipment manufacturer (“OEM”) customers and their suppliers, including us; commodities availability and pricing; competitive challenges from existing and new competitors including OEM customers; the challenges associated with rapidly-changing technologies, particularly as relates to electric vehicles, and our ability to innovate in response; uncertainties regarding the extent and duration of impacts of matters associated with the COVID-19 pandemic, including additional production disruptions; the difficulty in forecasting demand for electric vehicles and our electric vehicles revenue growth; the possibility that the proposed acquisition of Santroll’s light vehicle eMotor business will not be consummated; the ability to identify targets and consummate acquisitions on acceptable terms; failure to realize the expected benefits of acquisitions on a timely basis including our recent acquisition of AKASOL AG and our 2020 acquisition of Delphi Technologies PLC; the ability to identify appropriate combustion portfolio businesses for disposition and consummate planned dispositions on acceptable terms; the failure to promptly and effectively integrate acquired businesses; the potential for unknown or inestimable liabilities relating to the acquired businesses; our dependence on automotive and truck production, both of which are highly cyclical and subject to disruptions; our reliance on major OEM customers; fluctuations in interest rates and foreign currency exchange rates; our dependence on information systems; the uncertainty of the global economic environment; the outcome of existing or any future legal proceedings, including litigation with respect to various claims; future changes in laws and regulations, including, by way of example, taxes and tariffs, in the countries in which we operate; impacts from any potential future acquisition or disposition transactions; and the other risks noted in reports that we file with the Securities and Exchange Commission, including Item 1A, “Risk Factors” in our most recently-filed Form 10-K and/or Quarterly Report on Form 10-Q. We do not undertake any obligation to update or announce publicly any updates to or revisions to any of the forward-looking statements in this press release to reflect any change in our expectations or any change in events, conditions, circumstances, or assumptions underlying the statements.

**PR contact:**

Michelle Collins

Phone: +1 248-754-0449

Email: [mediacontact@borgwarner.com](mailto:mediacontact@borgwarner.com)