

BorgWarner schließt mit XPeng zwei zusätzliche Aufträge für Elektromotoren ab

- *Ölgekühlte 800-V-Elektromotoren für zwei künftige XPeng-SUV-Modelle*
- *Hochvolt-Hairpin-Motor von BorgWarner bietet hohe Leistungs- und Drehmomentdichte, einen verbesserten Wirkungsgrad und Langlebigkeit*
- *Neue Geschäftsabschlüsse bestätigen BorgWarners Technologieführerschaft und festigen langjährige Partnerschaft mit dem Kunden*

Auburn Hills, Michigan, 6. Mai 2024 – BorgWarner gab zwei Aufträge für Hochvolt-Elektromotoren (HVH) bekannt, die in zwei neuen SUV-Modellen des chinesische Smart-EV-Hersteller XPeng zum Einsatz kommen werden. Die kürzlich abgeschlossenen Verträge über fortschrittliche ölgekühlte 800-V-Elektromotor-Systeme umfassen sowohl Stator- als auch Rotorkomponenten. Der Produktionsstart ist für 2025 geplant. BorgWarners HVH220 Elektromotor bietet eine hohe Leistungs- und Drehmomentdichte, einen verbesserten Wirkungsgrad und eine hervorragende Langlebigkeit.

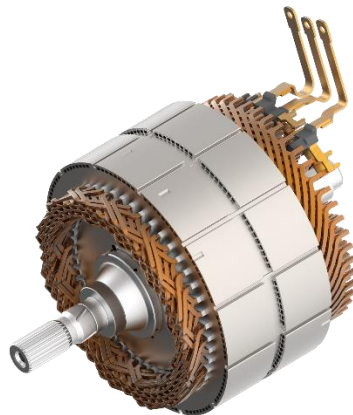
„Wir freuen uns sehr, unser E-Motor-Geschäft mit XPeng zu erweitern und damit auf unserer langjährigen Partnerschaft aufzubauen“, sagte Dr. Stefan Demmerle, President und General Manager, BorgWarner PowerDrive Systems. „Wir entwickeln unsere HVH-Technologie kontinuierlich weiter und möchten unserem Kunden maximale Effizienz für die beiden künftigen SUV-Modelle bieten.“

Der HVH220 E-Motor, der über die patentierte Hochvolt-Hairpin-Wicklungs-Technologie von BorgWarner verfügt, arbeitet in einem 800-V-Antriebssystem. Er hat einen Stator-Außendurchmesser von 220 mm und integriert einen Permanentmagnet-Rotor sowie eine proprietäre Verbesserung der Stator-Isolierung, die eine ausgezeichnete Langlebigkeit und Zuverlässigkeit gewährleistet. Mit einer Leistung von bis zu 300 kW und einer maximalen Drehzahl von 18.000 U/min erreicht der HVH220 einen Spitzenwirkungsgrad von über 97 %.

Um die Performance der Hochleistungsmotoren zu verbessern, hat BorgWarner eine Ölkühlung entwickelt. Durch die Verwendung von Getriebeöl zur Kühlung des Motors optimiert diese Technologie die Wärmeübertragung und die Effizienz des gesamten Wärmemanagements. Die direkte Ölkühlung des Rotors leitet die Wärme effizient vom Kern des Elektromotors ab und ermöglicht so ein höheres Drehmoment und eine höhere Leistungsdichte. Dies erhöht zusätzlich die Leistungsfähigkeit.

Über BorgWarner

BorgWarner bringt als globaler Produktführer seit mehr als 130 Jahren erfolgreich Mobilitätsinnovationen auf den Markt. Mit unserem Fokus auf Nachhaltigkeit tragen wir dazu bei, eine saubere, gesunde und sichere Zukunft zu schaffen.



BorgWarner schließt zwei weitere E-Motor Aufträge mit Xpeng ab.

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You should not place undue reliance on these forward-looking statements, which speak only as of the date of this 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, commodity availability and pricing, and an inability to achieve expected levels of recoverability in commercial negotiations with customers concerning these costs; competitive challenges from existing and new competitors, including original equipment manufacturer (“OEM”) customers; the challenges associated with rapidly changing technologies, particularly as they relate to electric vehicles, and our ability to innovate in response; the difficulty in forecasting demand for electric vehicles and our electric vehicles revenue growth; potential disruptions in the global economy caused by wars or other geopolitical conflicts; the ability to identify targets and consummate acquisitions on acceptable terms; failure to realize the expected benefits of acquisitions on a timely basis; the possibility that our 2023 tax-free spin-off of our former Fuel Systems and Aftermarket segments into a separate publicly traded company will not achieve its intended benefits; 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 and is highly cyclical and subject to disruptions; our reliance on major OEM customers; impacts of any future strikes involving some of our OEM customers and any actions such OEM customers take in response; 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, or governmental investigations, including related litigation; 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 release to reflect any change in our expectations or any change in events, conditions, circumstances, or assumptions underlying the statements.

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