

BorgWarner renforce ses activités dans le domaine des moteurs électriques avec XPeng

- *Début de production en janvier 2024 pour équiper le monospace X9 de XPeng*
- *La technologie de bobinage du stator offre une densité de puissance et un rendement inégalés dans l'industrie*
- *Le refroidissement par huile améliore la dissipation de la chaleur du moteur*

Auburn Hills, Michigan, 8 février 2024 – BorgWarner a démarré la production de rotors et de stators de moteurs électriques pour XPeng Motors, entreprise chinoise leader dans le domaine des VE intelligents. Le produit sera utilisé sur le monospace X9 et sur la nouvelle berline électrique de classe B de XPeng. Le lancement en production est prévu pour le troisième trimestre 2024. Le moteur électrique haute tension HVH 220 à bobinage en épingle à cheveux délivre une puissance et une densité de couple élevées, un meilleur rendement à un coût compétitif ainsi qu'une remarquable durabilité.

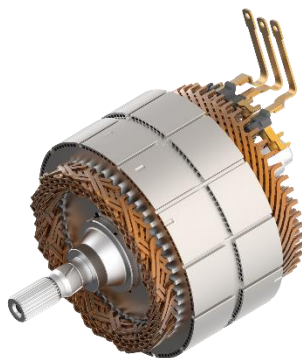
« Nous sommes ravis de fournir notre stator et notre rotor éprouvés à ce constructeur de premier plan. L'accord dynamisera le développement de l'industrie chinoise des véhicules électriques, » a déclaré Stefan Demmerle, Président et General Manager, BorgWarner PowerDrive Systems. « L'expertise approfondie des produits de BorgWarner permettra à XPeng de progresser dans la conception de ses moteurs électriques. »

Le moteur électrique HVH220 a une plage de fonctionnement allant jusqu'à 800 V. Il utilise un stator de 220 mm de diamètre extérieur et la technologie brevetée BorgWarner de bobinage en épingle à cheveux haute tension. Il intègre un rotor à aimant permanent et des technologies exclusives d'amélioration de l'isolation du stator, offrant ainsi une durabilité et une fiabilité de premier ordre. Le moteur BorgWarner HVH220 peut délivrer jusqu'à 300 kW de puissance à une vitesse de fonctionnement maximale de 18 000 tr/min, avec des rendements en pointe supérieurs à 97 %.

BorgWarner a développé des solutions à refroidissement par huile pour répondre aux exigences de performance des moteurs plus puissants. Plus précisément, l'huile de la boîte de vitesses refroidit le moteur, améliorant ainsi le transfert calorifique et l'extraction de la chaleur du système. Le refroidissement direct du rotor par l'huile permet d'extraire également la chaleur du cœur du moteur électrique, apportant un couple et une densité de puissance plus élevés.

À propos de BorgWarner

Depuis plus de 130 ans, BorgWarner, leader mondial, innove avec succès dans le domaine de la mobilité. Avec un portefeuille de produits en constante évolution, nous soutenons la transition mondiale vers l'e-mobilité et contribuons ainsi à la création d'un avenir propre, sain et sûr.



Le moteur électrique HVH220 de BorgWarner est disponible en plusieurs longueurs d'empilement, configurations de refroidissement et d'enroulements, sous forme de sous-ensembles stator et rotor ou de moteur entièrement intégré.

Forward-Looking Statements: This release may contain forward-looking statements as contemplated by the 1995 Private Securities Litigation Reform Act that are based on management's current outlook, expectations, estimates and projections. Words such as "anticipates," "believes," "continues," "could," "designed," "effect," "estimates," "evaluates," "expects," "forecasts," "goal," "guidance," "initiative," "intends," "may," "outlook," "plans," "potential," "predicts," "project," "pursue," "seek," "should," "target," "when," "will," "would," and variations of such words and similar expressions are intended to identify such forward-looking statements. Further, all statements, other than statements of historical fact, contained or incorporated by reference in this 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 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; 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 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; disruptions in the global economy caused by wars, including the wars in Ukraine and the Middle East; 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 recently-completed tax-free spin-off of our former Fuel Systems and Aftermarket segments into a separate publicly traded company will not achieve its intended benefits for us; 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 which is highly cyclical and subject to disruptions; our reliance on major OEM customers; the extent, duration, and impact of the recent and 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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