

PRESS RELEASE

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New Häggglunds Quantum motor range pushes the performance envelope – in multiple directions

HD 030223
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Häggglunds Quantum - introduced at CONEXPO-IFPE 2023, replaces the CB motor with better efficiency and triple the life expectancy. (Image source: Häggglunds Mellansel, Sweden)

Häggglunds is entering a daring space with the Häggglunds Quantum range of hydraulic motors. The range does away with established barriers, combining torque and speed with previously unthinkable efficiency. For direct drives in heavy-duty applications, it creates a powerful new reality.

Bending the laws of size, strength and speed

The Häggglunds Quantum range shapes proven strengths into an extraordinary new performance curve. It offers a top speed of over 150 rpm, yet it provides a sustainable maximum torque of more than 350 kNm. At corner power, where the two extremes meet, users can achieve a mind-bending 3 MW – without sacrificing compactness or efficiency.

“The Häggglunds Quantum range rewrites the rules of power density, especially when it comes to efficiency at higher speeds,” says Wolfram Ulrich, Vice President of Sales, Häggglunds. “By stretching the limits so far beyond previous solutions, it introduces possibilities for greener operation, mobile applications and more.”

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One range with two powerful aspects

Within the Häggglunds Quantum range are two motors with shared DNA. Häggglunds Quantum is the new name for the Häggglunds CB, which has evolved so significantly over time that it can no longer be considered the same motor. Tweaks in design and materials have increased its efficiency and tripled its life expectancy, making it the ideal basis for a bold new step.

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That step is the Häggglunds Quantum Power, which merges a slim new connection block with this reliable foundation. Through additional ports and innovative internal design, the block enables far higher speeds while retaining full torque capacity at high efficiency. Consequently, the Häggglunds Quantum Power can deliver high power with greater economy and sustainability than any previous solution.

“The two parts of the Häggglunds Quantum range, Häggglunds Quantum and Häggglunds Quantum Power, create a seamless curve without gaps in speed or torque,” says Ulrich. “One part reflects the constant, long-term improvement that we pursue in all Häggglunds solutions. The other is a result of radical new thinking – a true quantum leap.”

More information, can be found on the Häggglunds website:

<https://www.boschrexroth.com/en/us/hagglunds/hagglunds-motors/hagglunds-quantum/>

About Häggglunds:

Häggglunds stands for groundbreaking direct hydraulic drive technology and unwavering customer focus. Engineered and manufactured in Mellansel, Sweden, Häggglunds hydraulic motors and compact direct drive systems provide superior torque performance, flexibility, and reliability to customers worldwide.

Häggglunds is a brand of Bosch Rexroth, a leading global supplier of drive and control technologies. To learn more about Häggglunds solutions, visit www.boschrexroth-us.com/hagglunds.

About Bosch Rexroth:

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent

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components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021. To learn more, please visit www.boschrexroth-us.com.

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