

PRESS INFORMATION

New drive technology with proven advantages: the Hägglunds Thunder

Amanda Bergström | 31.03.2025 | Lohr am Main / Germany | PI 023/25



The new Hägglunds Thunder is a fully electric, frequency-controlled drive solution with the proven advantages of Hägglunds drive technology. (Image source: Bosch Rexroth AG)

Enabling a fully electric Hägglunds direct drive

A PM synchronous torque motor is a type of multi-pole electric motor, capable of delivering high torque that fits well alongside that of existing Hägglunds motors. Based on this technology, the new Hägglunds Thunder offers proven benefits of Hägglunds drive technology and enables a fully electric, frequency-controlled drive solution from low to megawatt levels of power.

“PM synchronous motors are a well-known technology with previously untapped potential in heavy-duty industrial applications,” says Tor Jensen, Vice President Hägglunds Global Sales. “Our focus on dependable and versatile direct drive solutions remains unchanged. But with Hägglunds Thunder as a complement to our electrohydraulic portfolio, we can offer a true Hägglunds solution with somewhat different drive characteristics. That opens up new solutions for specific customer challenges.”

Amplified power with proven reliability

While the specifications for Hägglunds Thunder fit neatly within the Hägglunds portfolio, they create a distinct performance envelope. The Hägglunds Thunder motor range has a nominal torque of up to 200 kNm, and it provides fully variable speed from standstill. Nominal operating speed begins at 30 rpm, which is slightly higher than solutions based on the existing Hägglunds portfolio. Yet the Hägglunds Thunder range opens up to 300 rpm – and provides near-constant efficiency at any speed above nominal.

“Customers who require high, or extremely high, torque at speeds close to zero, Hägglunds electrohydraulic solutions are an ideal choice,” says Uno Sundelin, Project Manager for

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Häggglunds Thunder. “But where the requirements for torque and speed are a good fit, we can use Häggglunds Thunder to supply excellent direct drive solutions for up to 4300 kW of power. That’s a bold new peak, even for Häggglunds.”

Besides such efficient power, Häggglunds Thunder offers solid protection, sustaining a 200 % overload for up to 60 s. “Reliability in unpredictable applications is what customers have come to expect from Häggglunds,” says Sundelin. “They’ll find that Häggglunds Thunder sacrifices nothing in that regard.”

On show at the Hannover Messe exhibition

Häggglunds is a brand of Bosch Rexroth. The Häggglunds Thunder will be presented from March 31 to April 4 at the Hannover Messe, Hall 6, Stand D26.

Basic Information 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 and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering 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, around 33,800 associates generated sales revenue of 7.6 billion euros in 2023.

About Häggglunds

Häggglunds is a global leader in direct drive solutions. With power right on the rotating shaft, we provide reliability and flexibility in the most challenging situations – supporting customer efforts to do more, push further and use less. Our team of over 600 strong offers innovation, service and commitment, extending from our headquarters in Mellansel, Sweden, to wherever our customers need us.

Häggglunds is a brand of Rexroth, a leading global supplier of drive and control technologies.

Häggglunds solutions enrich a comprehensive Rexroth portfolio.

For further information and exhibition updates, please visit the Häggglunds website, www.haggglunds.com

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