

Press Release

Bosch Rexroth launches the world's most powerful direct drive

2012-09-05



The new Hägglunds CBM hydraulic motor from Bosch Rexroth creates powerful opportunities. Taking over from the tried-and-true Hägglunds Marathon motor, the Hägglunds CBM packs 50% more torque into a motor that is smaller and up to 50% lighter than its predecessor. That gives it the world's highest torque-to weight ratio.

For Bosch Rexroth customers, the new motor opens up new possibilities. The Hägglunds CBM not only handles heavier workloads, but also takes up less space and places less weight on the driven shaft. This means that customer machines, and in some cases the facilities that house them, can be smaller, lighter and simpler.

The motor's reduced installation requirements, combined with the higher productivity it allows, can mean lower overall investments and increased long-term revenue. Added to this are the unique operating advantages of a hydraulic direct drive: full torque from zero speed, protection from shock loads and four-quadrant operation.

Power for growing demands

The Hägglunds CBM motor was developed in direct response to customer requests. Greater power is increasingly needed in many industries, and it is a prerequisite for a number of new applications, such as wind and tidal energy. The Hägglunds CBM provides power for these applications and many others.

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Based on the Hägglunds CB platform, the Hägglunds CBM has internal advances that allow it to supply 6000 Nm/bar of specific torque. “The Hägglunds CBM satisfies the toughest new demands on the market,” says Lars Andrén, one of the key members of the Hägglunds CBM development team. “With its introduction, we can provide the unique advantages of a hydraulic direct drive to a broader range of applications than ever before.”

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Tested to meet high expectations

In replacing a successful and trusted motor like the Hägglunds Marathon, Bosch Rexroth has left nothing to chance. Many years of R&D have gone into the Hägglunds CBM, as well numerous hours of testing to verify performance and quality. In fact, the Hägglunds CBM has undergone more lab testing than any other Hägglunds motor.

A smooth transition to greater power

Those looking to upgrade from the Hägglunds Marathon will be pleased to know that direct retrofit kits are available. These make exchanging the motor both quick and simple in existing machines.

All customers, however, will benefit from the ease of installing the Hägglunds CBM, since it has splines that simplify attachment to the driven shaft. (Shrink-disc adapters are also available.) Retrofitted or newly installed, the Hägglunds CBM makes it easy to meet the growing need for power.

Bosch Rexroth AG is one of the world's leading specialists in the field of drive and control technologies. Under the Rexroth brand name, the company supplies more than 500,000 customers with tailored solutions for driving, controlling, and moving. Bosch Rexroth is a partner for Mobile Applications, Machinery Applications and Engineering, Factory Automation and Renewable Energies. The company provides customized solutions tailored to the needs and specifications of each individual market. As The Drive & Control Company, Bosch Rexroth develops, produces, and sells components and systems in over 80 countries. As part of the Bosch Group, Bosch Rexroth and its 34,900 associates generated approximately 5.1 billion euros in revenue in 2010.

To learn more, please visit www.boschrexroth.com

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The Bosch Group is a leading global supplier of technology and services. According to preliminary figures, more than 300,000 associates generated sales of 51.4 billion euros in the areas of automotive and industrial technology, consumer goods, and building technology in fiscal 2011. The Bosch Group comprises Robert Bosch GmbH and its more than 350 subsidiaries and regional companies in some 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Bosch spent more than 4 billion euros for research and development in 2011, and applied for over 4,100 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial. Additional information can be accessed at Further information is available online at www.bosch.com, www.bosch-press.com

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