PRESS RELEASE

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For Immediate Use

The new MCR8T radial piston motor from Rexroth

A step change in power density and durability for direct drive CTL track motor technology

Bosch Rexroth's MCR-T adds a new size. The size 8 motor for track drives delivers up to 1270 ccm with a maximum differential pressure of 450bar.

As end-users demand ever higher performance from their CTLs, Rexroth has called upon its decades of industry experience and continued innovation to produce their most advanced track motor yet.

Bosch Rexroth is expanding its range of direct drives for compact tracked loaders and other tracked vehicles with the new MCR-T radial piston motor in frame size 8. The MCR8T represents the latest development in direct drive CTL track motor technology and, by utilizing the next generation of rotary group design, delivers a step change in power density and durability. The new rotary group design offers up to 55% increase in maximum torque, enhanced durability and a 20% increase in flow capability compared with the existing and dimensionally similar frame size 6.

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The new design complements the MCR-T family, which is currently offered in frame sizes 5, 6 & 10. The compact dimensions, which are identical to MCR6T in all but a 10% increase in overall length, means that the motor is ideally suited for installation in compact loader tracks.

Rexroth‘s MCR-T withstands high radial forces thanks to its optimized load distribution. Larger bearings that are flushed with case oil combined with the latest development in sealing technology ensures exceptional levels of durability in the harshest environments. An integrated flushing valve contributes to increased service life by supporting the cooling of the oil when used in closed hydraulic circuits. In addtion, the MRC-T's well proven long service life and optimised design ensures a lower total cost of ownership for whatever mobile working machines the motor is driving.

MCR-T radial piston motors are designed for continuous high rotational speeds, in the toughest track drive applications, so that compact tracked loaders can also cover longer distances. Via the control valve integrated in the motor, the operator can shift smoothly between travel speeds with the soft-shift mode operating in both directions of travel.

In high speed mode the motor runs with a standard reduced displacement of 66%, which is also configurable on request, reducing oil flow in the circuit and improving system efficiency. Additionally, the direct drive design of the MCR-T results in greater efficiency, longer service life and lower noise than typical gearbox-based solutions.

Rexroth’s MCR-T motors function with a differential pressure of up to 450 bar with the MCR8T version achieving an output torque of up to 9,000 Nm. The displacement of the MCR-T product currently ranges from 380 ccm to 1,340 ccm and comes complete with a multi disc spring applied pressure released parking and emergency brake.

For more information: www.boschrexroth-us.com

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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 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 32,300 associates generated sales revenue of roughly 6.2 billion euros ($7.3 billion) in 2018.

To learn more, please visit www.boschrexroth-us.com.

About Bosch:

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). According to preliminary figures, the company generated sales from operations of 77.9 billion euros ($92 billion) in 2018. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 69,500 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.

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