PRESS RELEASE

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For Immediate Use

Bosch Rexroth Launches Piston-Gear Pump Assembly with Common Suction Port

New tandem pump configuration simplifies design and installation of combined axial/gear pump systems to save space on mobile machines

Completely assembled and ready for integration, the piston-gear pump assembly features a common port that eliminates the dedicated suction line for the gear pump.

Featuring an optimized pump interface, the piston-gear pump assembly is designed to help mobile machine builders fit multiple pump configurations into tight machine spaces.

Bosch Rexroth's new piston-gear pump assembly with common suction port is designed to provide a compact, fully engineered tandem pump configuration for mobile machines that use both types of hydraulic pumps to power implements and other equipment.

The new tandem configuration combines two proven Rexroth hydraulic pump series: the A1VO/A10VO axial piston pumps and the AZPF/AZPW external gear pumps. The piston-gear pump assembly incorporates a common suction port, eliminating the need for separate hydraulic lines to each pump and reducing potential points of failure or leakage, as well as reducing costs associated with hydraulic feed lines.

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Bosch Rexroth will be exhibiting the new piston-gear pump assembly, as well as a full range of products, services and solutions for the construction and agricultural equipment industry in Booth S80125 in South Hall 3 at the 2020 CONEXPO-CON/AGG and IFPE. The convention takes place from March 10 to 14 in Las Vegas, Nevada.

In this configuration, the hydraulic fluid is first fed into the axial piston pump. It is then fed from the piston pump through special passageways into the front flange of the gear pump, which is mounted directly to the back of the piston pump.

Mobile machine builders supplying construction equipment, such as skid steer loaders, backhoes, excavators and tractors, can use the piston-gear pump assembly to simply and cost-effectively “kill two birds with one stone.” The high-performance A1VO/A10VO variable displacement pump can supply the power needed to drive implements, such as shovels and skid steer lifts, while the fixed displacement AK gear pump can support machine functions such as fan drives.

Both the axial piston and gear pumps have been specially engineered to integrate into the single assembly. The solution was designed to help save space in tight mobile machine enclosures as machine builders work to maximize machine performance without expanding equipment size. It also eliminates the time and resources mobile machine builders expend to integrate two separate pumps on one machine.

The piston-gear pump assembly is versatile enough to serve a wide range of displacement requirements and mobile equipment applications. Rexroth mobile hydraulics experts will work with mobile machine builders to determine the correct pump sizes and displacements for both pumps to provide an optimum configuration for the performance each mobile machine requires.

For more information, visit https://www.boschrexroth.com/en/us/products/product-groups/mobile-hydraulics/index or visit us at booth S80125 at 2020 CONEXPO-CON/AGG and IFPE.

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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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