

Press Release

rexroth
A Bosch Company

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Powerful Bosch Rexroth drive system now certified for marine applications

The IndraDrive ML is now certified as a marine drive with certifications according to ship classification authorities DNV GL, ABS and LR

For Immediate Use



These space-saving, modular inverters can be used for a variety of marine and offshore applications.

Now certified for marine and offshore industries, Rexroth's IndraDrive ML extends the IndraDrive series into the upper power range. With a voltage range of 400 V to 690 V, Rexroth expands the range of uses of IndraDrive ML drives for outputs up to four megawatts. This and similar technologies will be on display in booth 4029 during the Offshore Technology Conference (OTC) May 1-4, 2017 in Houston, Texas.

In marine and offshore applications, it can be challenging to find products that can get the job done and still handle the unique environmental requirements in this industry. Not anymore – Bosch Rexroth's IndraDrive ML is now certified as a marine drive with certifications according to ship classification authorities DNV GL, ABS and LR. Applications include trawler and anchor winches as well as hoist, slewing and luffing drives for ship cranes.

The IndraDrive ML's voltage range of 400 V to 690 V complies with the industry demand of 690 V. These space-saving, modular universal inverters

Contact for Journalists:
Bosch Rexroth Corporation
Susan Strauss
2315 City Line Road
Bethlehem, PA 18017
Telephone (610) 694-8352
Fax (610) 954-8670
susan.strauss@boschrexroth-us.com

Phase 3 Marketing & Communications
Laura Craft
Eden Estabrook
1435 West Morehead St., Suite 200
Charlotte, NC 28208
Telephone (704) 729-0149
Laura.Craft@phase3mc.com
Eden.Estabrook@phase3mc.com

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generate drive power between 110 kW and 500 kW per device, and in parallel connection of up to eight devices up to four MW.

The IndraDrive ML can be operated as a smart power supply with energy-recovery capacity, a variable frequency inverter or as high performance motor inverters for synchronous and asynchronous motors. This flexibility minimizes variants, simplifies handling and reduces storage costs for OEMs and end users. A wide variety of energy efficient concepts for storing energy in static or rotary configurations as well as a Smart Energy Mode and further options are available for saving energy and reducing peak loads in the power grid.

For Immediate Use

These universal inverters are particularly suitable for complex multi-axis applications. Drive-based motion logic solutions regulate synchronized movements via their own intelligence, even without higher-level control units. The certified safety technology reduces engineering effort for standard-compliant machine safety. With a multi-Ethernet interface for all common communication protocols and one multi-encoder interface, the drives seamlessly integrate even into heterogeneous automation environments.

For more information on the IndraDrive ML offering, visit www.boschrexroth-us.com/mldrives.

About Bosch Rexroth

Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves 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 to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, more than 29,500 associates generated sales revenue of approximately 5 billion euros (\$5.5 billion) in 2016.

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

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 32,800 associates in more than 100 locations, as of December 31, 2016. In 2016 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.

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The Bosch Group is a leading global supplier of technology and services. The company employs roughly 390,000 associates worldwide (as of December 31, 2016) and generated sales of 73.1 billion euros (\$80.9 billion) in 2016. 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 industry. 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 create solutions for a connected life, and to improve 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 subsidiaries and regional companies in some 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 120 locations across the globe, Bosch employs 59,000 associates in research and development.

Additional information is available online at www.bosch.com, www.bosch-press.com, <http://twitter.com/BoschPresse>.

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