

Press Release

EFC 3600 Variable Frequency Drive for energy efficient process control

10/15/2015

For Immediate Use



The electronic frequency converter series EFC 3600 by Rexroth offers an economic solution for energy efficient oriented process control application.

Variable speed control for electronic drives is a main factor for increasing energy efficiency in machine engineering. With the EFC 3600 variable frequency drive series, Bosch Rexroth offers the economic benefits for general automation, material handling and pumps, fans and compressors, which had up to now been operated continuously and inefficiently.

The EFC 3600 variable frequency drive (VFD) by Bosch Rexroth complements the existing product portfolio including the Fe and Fv frequency converters as well as the highly dynamic IndraDrive platform. The EFC 3600 improves the process control through integrated PID controllers as well as through a sequence control system with eight steps. The settings enable an energy efficient operation of equipment and machines at their optimal operating point. Due to its high intermittent overload capacity of up to 200 percent as well as the high initial torque of up to 150 percent, the EFC 3600 can be used for a wide range of applications with the most varying requirements. The freely scalable V/Hz characteristic allows load-dependent adjustment of the voltage/frequency curve, which ensures a longer motor service life.

Contact for Journalists:
Bosch Rexroth Canada
David Lopes
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
david.lopes2@boschrexroth.ca

Bosch Rexroth Canada
Karen Maiden
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
karen.maiden@boschrexroth.ca

Press Release

The EFC 3600 can be connected to other automation topologies via optional Modbus or PROFIBUS fieldbus interfaces or via digital and analog inputs and outputs. The EFC 3600 is offered covering the performance spectrum from 400 W to 4 kW (0.5 hp to 5 hp). Due to the integrated brake chopper and mains filter, additional peripheral devices are not required. The EFC 3600 complies with the EMC directives for industrial applications.

10/15/2015

For Immediate Use

The simple program structure and easy parameter input provide for quick commissioning and start-up without the need for a PC. Harmonized parameters apply to all converters of the series. With the removable control panel function, the user can quickly configure several electronic frequency converters. This also reduces integration- and downtime in case of system expansion or in case of replacement. The service technician would simply use the control panel and copy the existing parameters to the new device.

Due to its compact design which is complemented by the pluggable I/O terminals and optimized cooling concept, a gapless side-by-side and space-saving installation is possible. For devices up to 0.75 kW (1 hp), cooling fans are not required and subsequently are supplied without fan. Devices with performance level 1.5 kW (2 hp) and higher are supplied with integrated fans that can be easily accessed without requiring tools for maintenance. The EFC 3600 complements Rexroth's frequency converter series Fe and Fv, which cover the performance spectrum up to 90 kW (125 hp).

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, Factory Automation, and Renewable Energies 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 33,700 associates generated sales revenue of approximately \$7.4 billion (5.6 billion euros) in 2014. To learn more, please visit www.boschrexroth.ca

About Bosch:

Having established a regional presence in 1906 in North America, the Bosch Group employs some 28,700 associates in more than 100 locations, as of April 1, 2015. In 2014, Bosch

Contact for Journalists:
Bosch Rexroth Canada
David Lopes
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
david.lopes2@boschrexroth.ca

Bosch Rexroth Canada
Karen Maiden
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
karen.maiden@boschrexroth.ca

Press Release

generated consolidated sales of \$11.3 billion in the U.S., Canada and Mexico. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.

10/15/2015

For Immediate Use

The Bosch Group is a leading global supplier of technology and services. It employs roughly 360,000 associates worldwide (as per April 1, 2015). The company generated sales of \$65 billion (49 billion euros) in 2014. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including its sales and service partners, Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. In 2014, Bosch applied for some 4,600 patents worldwide. The Bosch Group's strategic objective is to create solutions 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." Additional information is available online at www.bosch.com and www.bosch-press.com, <http://twitter.com/BoschPresse>.*

**The sales figure disclosed for 2014 does not include the former joint ventures BSH Bosch und Siemens Hausgeräte GmbH (now BSH Hausgeräte GmbH) and ZF Lenksysteme GmbH (now Robert Bosch Automotive Steering GmbH), which have since been fully acquired.*

#

Contact for Journalists:
Bosch Rexroth Canada
David Lopes
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
david.lopes2@boschrexroth.ca

Bosch Rexroth Canada
Karen Maiden
3426 Mainway Drive
Burlington, ON
Telephone (905) 335-5511
Fax (905)335-4184
karen.maiden@boschrexroth.ca