

For immediate release

## *New generation of Pure Energy alternators!*



### **LSA 42.3 low voltage alternator:**

#### **More power for great performance!**

As part of the LSA 40 line of high-performance alternators, Leroy-Somer's Electric Power Generation division presents LSA 42.3, a new product in its Partner low voltage range, designed to meet the needs of both manufacturers and users of generators.

LSA 42.3 is a 4-pole three-phase alternator which offers the following range of power ratings to complement those of the LSA 40:

- 50 Hz - 1500 rpm: 25 to 60 kVA
- 60 Hz – 1800 rpm: 25 to 60 kW

As with LSA 40, LSA 42.3 is also available in a dedicated single-phase version.

LSA 42.3 comes with three field excitation versions, to suit customer requirements:

- Shunt (high starting capacity)
- AREP (high starting capacity + short-circuit capacity)
- PMG (equivalent system to AREP)

Available in a single-bearing or two-bearing version, LSA 42.3 is a particularly versatile alternator which is mechanically suitable for most engines on the market. It is also interchangeable with alternators from the previous Partner range.

As with LSA 40, compactness is one of the strong points of LSA 42.3: despite being the same size as the previous model, LSA 42.3 gives you increased power along with high efficiency levels. This power and efficiency combined mean that you save energy.

What's more, the low reactance of these new products give them a high capacity for starting electric motors and the ability to withstand disturbance from distorting loads.

Pure Energy generation alternators are also very easy to install. As such, for LSA 42.3, a cap has been added to the terminal box originally designed for LSA 40, to ease the access to the AVR.

Leroy-Somer EPG has developed a robust, high-quality range that meets international standards and is perfectly suited to the most complex and restrictive

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applications used in the telecoms, construction, residential, commercial, micro-CHP, agricultural and even marine sectors.

With its high electric capacity, compact dimensions, and tailored excitation, control and protection systems, LSA 42.3 is pushing the boundaries of performance in the industrial power generation industry.

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### **About Emerson Industrial Automation TM:**

*Emerson Industrial Automation, a business of Emerson, is a global technology provider that enables productivity, efficiency and quality gains for customers across a spectrum of industries. Our products include alternators, electric motors and drives, electrical distribution devices and mechanical power transmission, fluid automation and ultrasonic joining solutions. Emerson brands include Appleton, ASCO, Branson Ultrasonics, Browning, Control Techniques, Kop-Flex, Leroy-Somer, McGill, Morse, Numatics, O-Z/Gedney, Rollway, SealMaster, and System Plast. For more information, visit [www.EmersonIndustrialAutomation.com](http://www.EmersonIndustrialAutomation.com).*

### **About Leroy-Somer:**

*Leroy-Somer is one of the world's leading manufacturers in electromechanical and electronic drive systems and the world leader in industrial alternators. Part of the Emerson Group, Leroy-Somer is a French company which employs 8450 people in 38 production units and 470 sales and service outlets worldwide. In 2010, the company achieved a turnover of €973 million.*

*Leroy-Somer's EPG (Electric Power Generation) division is the world leader in low, medium and high voltage alternators, with the most extensive range (between 1 and 20 MW) on the market and products suitable for a wide variety of applications. Its expertise is recognised throughout the power generation business, demonstrating its capacity to meet the needs of its customers worldwide.*

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