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Atlas Copco launches latest high-efficiency oil-injected screw compressor

The GA 90⁺-160 (VSD⁺) oil-injected screw compressors, the latest air compressor range in Atlas Copco's smart AIR solutions portfolio, are designed for reduced energy consumption and ease of installation and service. The range features state-of-the-art compression elements with Smart Injection technology coupled with highly efficient oil-cooled IE4 and IE5 motors that require no service interventions. The new Elektronikon[®] Touch controller with integrated smart algorithms further reduces energy consumption.

The latest generation of GA compressors is particularly well suited to the mining industry, metal processing and power plants where its IP66 drive train offers complete protection from environmental dust and moisture ensuring reliable operation even in the harshest environmental conditions. This reliability also provides long and trouble-free life in general industrial applications in ambient temperatures of up to 55°C.

Optimum efficiency is ensured through a highly efficient drive train, low internal pressure drops and precise control from the Elektronikon[®] Touch.

All components are designed for ease of service with the most commonly serviceable parts grouped together for ease of access. Furthermore, the patented portal design enables full access to all components when more extensive maintenance is required.

“Subsequently, service time on these GA compressors is halved compared to similar designs leading to increased uptime and improved productivity,” notes JC Lombard, Business Line Manager – Atlas Copco Oil-free Air Division.

Atlas Copco Group Center

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The GA 90⁺-160 (VSD⁺) oil-injected screw compressors are available in water- and air-cooled versions, with fixed or variable speed drive and with an optional integrated dryer.

Atlas Copco provides customers with a tip to toe 5-year Warranty Plus program on the complete machine, ensuring smooth operation in the harshest environments.

The new Optimizer 4.0 central controller replaces the company's ES16 central controller. It enables a compressed air system to be optimised through selection of the most efficient combination of machines, such as compressors, dryers, filters, controllers, energy recovery systems, generators, air receivers, coolers and boosters. Through a highly intuitive user interface, the end-user can view the performance and energy consumption of each machine as well as of the whole system.

Optimizer 4.0 can also be monitored through a customer's PC via LAN, a SCADA system or **SMARTLINK**. Moreover, it is fully Industry 4.0 compatible, enabling the Internet of Things and the digital integration of the air compressed system with other intelligent networked devices to improve equipment performance, enhance predictive maintenance and further increase energy efficiency.

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Atlas Copco is a world-leading provider of sustainable productivity solutions. The Group serves customers with innovative compressors, vacuum solutions and air treatment systems, construction and mining equipment, power tools and assembly systems. Atlas Copco develops products and services focused on productivity, energy efficiency, safety and ergonomics. The company was founded in 1873, is based in Stockholm, Sweden, and has a global reach spanning more than 180 countries. In 2017, Atlas Copco had revenues of BSEK 116 (BEUR 12) and about 47 000 employees. Learn more at www.atlascopcogroup.com.

Oil-free Air is a division within Atlas Copco's Compressor Technique business area. It develops, manufactures, and markets oil-free air compressors for all kind of industries worldwide where the air quality is vital. The division focuses on air optimization systems and quality air solutions to further improve customers' productivity. The divisional headquarter is located in Antwerp with main production facilities in Belgium, China, India and Brazil.

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