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Atlas Copco's ZE-ZA range of compressors and ZL series blowers for low pressure applications

Atlas Copco, global leader in the design, manufacture and supply of clean compressed air systems and blowers, offers an expanded range of ZE-ZA low pressure compressors and a series of ZL blowers for the efficient supply of cost effective, quality, oil free air for low pressure application requirements.

The ZE-ZA range provides precise air requirements for all low-pressure pneumatic conveying applications, including powder and granular products such as cement, milk and chocolate powder, plastic granules and fly-ash.

Atlas Copco's ZL blower range is ideally suited for applications such as conveying of granules or powders, liquid homogenising, aeration and filter flushing in water treatment plants, air supply furnaces, drying of yarn or process air in chemical plants.

Both the ZE-ZA compressor range and the ZL blower series use IP55 electric motors. The ZE-ZA range consists of variants with increments of 0,25 bar from 1 bar to 3,5 bar and the ZL blower series consists of 17 sizes with intake volumes of 25 to almost 8300 m³/h at pressure of up to 1bar.

The ZE-ZA compressor is a single stage oil free screw unit, available in a water-cooled (ZA) or air-cooled (ZE) package, with a comprehensive choice of gears for accurate choice of flow and pressure according to process specifications and customer requirements.

Atlas Copco ZE-ZA Compressor range & ZL Series blowers .../2

Offering a wide variety of options and built in variants to meet individual application requirements, the ZE-ZA range incorporates several advanced features with proven components to ensure high performance and reliability.

The range is available with compatible MD adsorption dryers to economically and safely remove moisture from the compressed air. Designed to accommodate built in after-coolers, the ZE-ZA range provides improved air quality with less humidity.

Atlas Copco's ZE-ZA compressor range has a unique carbon Teflon coated rotor element to ensure oil-free operation, reduced maintenance and to eliminate corrosion or motor blocking after standstill. Atlas Copco's Elektronikon control and monitoring system, displays a status report of the entire compressor network and enables the compressor to be easily integrated into a total plant management system, monitored from a remote station.

The ZL blower has three rotor tips that create the volume transferred from suction side to discharge side. With each turn, six of the enclosed volumes are displaced and deliver an almost constant flow rate, independent of the discharge pressure conditions.

Featuring tri lobe rotors for superior energy efficiency and significantly smoother flow, the ZL's specially milled channels in the blower casing, pre-fill the reverse chamber to further reduce pressure pulsation.

Atlas Copco's ZL blower range was developed to operate in harsh environments and for optimal heat removal to cope with high ambient temperatures. The range uses labyrinth seals to separate air and oil systems, to ensure oil free air delivery without any risk of end product contamination.

Excellent component accessibility allows for easy maintenance and long service intervals in the ZL blower range.

Atlas Copco ZE-ZA Compressor range & ZL Series blowers .../3

Atlas Copco is a world leading provider of industrial productivity solutions. The products and services range from compressed air and gas equipment, generators, construction and mining equipment, industrial tools and assembly systems, to related aftermarket and rental. In close cooperation with customers and business partners, and with more than 130 years of experience, Atlas Copco innovates for superior productivity. Headquartered in Stockholm, Sweden, the Group's global reach spans more than 150 markets. In 2005, Atlas Copco had 27 000 employees and revenues of BSEK 53 (MEUR 5 600). Learn more at www.atlascopco.com.

Oil-free Air is a division within the business area Compressor Technique of the Atlas Copco Group with the main production center located in Antwerp, Belgium. The division develops, manufactures, markets and distributes worldwide a vast range of oil-free air compressors, Air Optimization systems, Aftermarket products and total quality air solution equipment used in all kind of industries where the quality of the air is paramount for the end product and production process. The main product scope of supply of the division covers a wide range of oil-free air compressors, medium, low and high pressure variants, with various compression technologies such as rotary screw and tooth, piston, centrifugal and reciprocating piston boosters. Within the same pressure/capacity range oil-injected compressors are offered as an alternative for less critical applications. By nature and innovative design Oil-free Air cares for the environment. More information is available on www.atlascopco.com

Industrial Air is a division within the business area Compressor Technique of the Atlas Copco Group with the main production centre located in Antwerp, Belgium. The division develops, manufactures and markets worldwide a vast range of oil injected and oil-free air compressors and Quality Air Solutions used in all kinds of industries. Professional aftermarket support and air monitoring are equally part of the added value product offer. By nature and innovative design Industrial Air provides increased customer value and cares for the environment. More information is available on www.atlascopco.com.

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