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## New ORBIT 6 scroll compressor series

- High-efficiency compressors for air conditioning systems and heat pumps
- Compact with a wide range of applications
- Optimised for lowest possible annual operating costs
- Extremely low noise levels

*Sindelfingen/Nuremberg, October 9, 2012. Thanks to the new ORBIT 6 scroll compressors, BITZER is expanding its range with a cooling capacity of between 27 and 51 kW at 50 Hz and climatic conditions. The five models in the scroll series with a delivery rate of between 20 and 38 m<sup>3</sup>/h (50 Hz) boast high isentropic efficiency levels over a wide range of applications and low noise levels. This makes the ORBIT 6 compressors specifically qualified for use in air conditioning systems and heat pumps.*

The design of the compressor is based on the R410A refrigerant. The compact construction of the new series results from the special execution of the Oldham coupling. Likewise, ORBIT 6 sets new standards with low noise performance previously unattainable in this performance class.

**Geschäftsführer // Managing Directors:**

Peter Schaufler, Senator h. c.  
Christiane Schaufler-Münch  
Michael Bauer  
Rainer Große-Kracht  
Jürgen Kleiner  
Dr. Christian Wahlers  
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# Press Information



All compressors are designed for HVAC applications with condensing temperatures up to 68°C, as well as for heat pump applications including extreme operating conditions of -20°C/+50°C. This makes ORBIT 6 the compressor series with the widest application range. BITZER delivers the ORBIT 6 scroll compressors in five capacity steps with 10, 12, 13, 15, and 20 hp.

## Consistently energy-efficient

ORBIT 6 compressors are consistently designed for high energy efficiency in full and part-load conditions such as those resulting from the highly variable load and ambient conditions in climatic and heat pump applications. This results in very high EER, ESEER/IPLV, and SCOP values, leading to especially low annual operating costs. The compressors can be mounted directly onto corresponding mounting rails in connector systems. BITZER provides the appropriate mounting kits in the product range.



The BITZER Group is the world's largest independent manufacturer of refrigeration compressors with sales companies and production sites for reciprocating, screw, and scroll compressors as well as pressure vessels all over the globe. In 2011, 2,966 employees generated sales of 632 million euros.

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