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BITZER at Chillventa in Nuremberg, October 9–11, 2012, Hall 4, Booths 310 and 408

NEW ECOLINE series – progress across the board

Proven reciprocating compressors now even more versatile

- Increased energy efficiency
- Increased cooling capacity
- Extended application limits
- Genuinely backwards compatible

Sindelfingen/Nuremberg, October 9, 2012. At Chillventa in Nuremberg, BITZER is presenting the complete NEW ECOLINE reciprocating compressor series, from 4 to 221 m³/h. The compressors are now even more versatile and available for other refrigerants than R134a – for example, R404A, R407A, R407C, R407F, R507A, and hydrocarbons. With the new series, BITZER is transferring all the advantages of the proven ECOLINE series for R134a refrigerant to an even broader range of applications, in order to provide customers with significant added value.

The extensive ECOLINE series stands out with higher efficiency levels and simultaneously expanded application limits – and can still fit into existing systems as a replacement.

Geschäftsführer // Managing Directors:

Peter Schaufler, Senator h. c.
Christiane Schaufler-Münch
Michael Bauer
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Press Information



The coefficient of performance (COP) was improved throughout the series. In terms of the usual nominal points, by 6%; at low condensing temperatures, which are important for seasonal efficiency, the increase was even up to 12%.

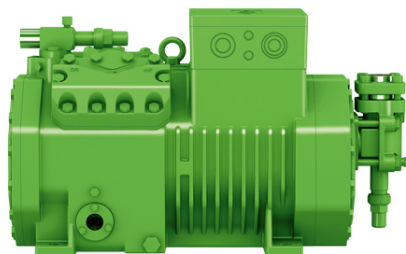
The compressors with motor version 2 are now universal refrigeration compressors – for full applicability in low temperature applications and medium temperature applications with, for example, R404A up to 0°C evaporation temperature, and even at tropical ambient temperatures. Motor versions 1 or 3 are provided for heat pumps, medium temperature applications with R134a, and special applications.

Each ECOLINE is compatible with its predecessor compressor, with an unaltered mounting hole pattern and the same pipe connections – with efficiency gains even when repairing existing systems. ECOLINE is also improving all VARISPEEDs and the well-known air cooled and water cooled condensing units. As an optional accessory, BITZER offers tried-and-tested capacity control systems for the entire ECOLINE series. In addition, all ECOLINE compressors are suitable for operation with external frequency inverters.



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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Progress across the board: the NEW ECOLINE series

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