

First Copeland Scroll™ compressors for R407F

- 18 models released for refrigeration systems
- Alternative to R404A and R134a
- Convenient for low and medium temperatures

AACHEN, GERMANY, September 13, 2012 Aiming to protect the environment by reducing the carbon footprint is an important step. And one possibility to support all ongoing efforts is to reduce the impact of refrigeration systems. Therefore one alternative is gaining more and more attractiveness: R407F. Emerson Climate Technologies has performed extensive field trials for 2 years and has approved all Copeland Scroll™ compressors from 2 to 6 hp for this new refrigerant. As of now, 18 models are available for medium and low temperature applications in the standard version (ZB, ZF) and with Digital modulation (ZBD, ZFD). This enables end-users to benefit from Copeland Scroll™ technology with R407F. Its GWP (1824) is half that of R404A. With R407F, the market now possesses a carbon footprint reduction alternative that is as close to a R404A retrofit solution as it can be. In many cases, the refrigerant may substitute R404A in existing system designs and installations with only minor adjustment.

As another test result, R407F constitutes a good alternative to R134a from a capital cost standpoint for hybrid cascade systems. These cost reductions arise when R407F is used alternatively to R134a in medium temperature circuits of hybrid refrigeration cascade systems where the low temperature circuit uses CO₂. Emerson's selection software Select 7.6 contains all performance, electrical and mechanical data on each approved compressor.

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About Emerson

Emerson (NYSE: EMR), based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal year 2011 were US\$ 24.2 billion. For more information, visit www.Emerson.com

About Emerson Climate Technologies

Emerson Climate Technologies, a business of Emerson, is the world's leading provider of heating, ventilation, air conditioning and refrigeration solutions for residential, industrial and commercial applications. The group combines best-in-class technology with proven engineering, design, distribution, educational and monitoring services to provide customized, integrated climate control solutions for customers worldwide. Emerson Climate Technologies' innovative solutions, which include industry-leading brands such as Copeland Scroll™ and Alco Controls, improve human comfort, safeguard food and protect the environment. For more information, visit www.emersonclimate.eu

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