

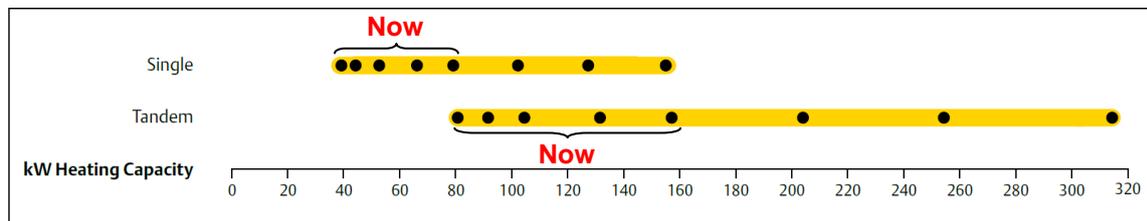
**NO:** 04-15  
**DATE:** 26.01.2015  
**TO:** All Customers  
**FROM:** Emerson Climate Technologies – Europe  
**SUBJECT:** Heat Recovery Copeland Scroll R134a compressor launch

Emerson Climate Technologies Europe is pleased to announce the launch of new heat recovery R134a Copeland Scroll™ compressors in individual and tandem configurations. With an operating envelope extended in high evaporating and high condensing, this new scroll allows more cost effective system and facilitate usage of the recovery in many application like air to water or water to water. It uses R134a as refrigerant due to its properties. These compressors are a cost effective, a better-performing and a reduced weight alternative compared to other reciprocating technology for those application.

ZH\*KCE R134a Copeland Scroll compressors were developed for the recovery and reuse of available heat, like for example, the heat generated by processes or machining cooling equipment which otherwise would be wasted. This contributes to reduce the total energy cost of installations. It could also be used with a water-cooled chiller, recovering on the condensing water loop to produce high temperature water for sanitary or premise heating. With a typical evaporating temperature between 20°C and 40°C and condensing up to 85°C, ZH\*KCE scrolls offer many opportunities of heat recovery.

The range of products goes from the ZH40KCE (40kW) to the ZH75 (75kW) which can be tandemized. Further product expansion will complete the range with product up to 150kW in the coming months

ZH\*KCE Scroll Compressor Line-up R134a



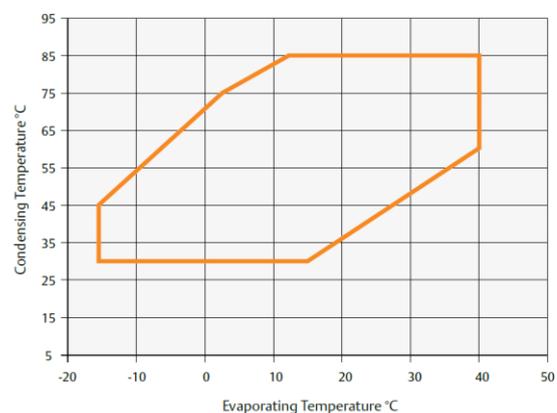
Conditions: Evaporating 40°C, Condensing 85°C, Superheat 10K, Subcooling 5K

Available model, tandem ready, without mounting part bill of material 455 only

Models	Ident	kW Heating
ZH40KCE-TFD-455	8620600	39
ZH45KCE-TFD-455	8620611	45
ZH50KCE-TFD-455	8620622	51
ZH64KCE-TFD-455	8620633	64
ZH75KCE-TFD-455	8620644	77

**Evap 40 °C Cond. 85°C - Sup. Heat 10K - Sub Cool. 5K**

Operating Envelope R134a



For further information please use Select selection software version 7,1 or contact your local Emerson Climate Technologies representative.