

NO: MB2012CC-31
DATE: 8/30/12
TO: Refrigeration Original Equipment Manufacturers
FROM: Emerson Climate Technologies, Inc. – Refrigeration
SUBJECT: New Copeland Scroll™ ZS*KA Compressors
EFFECTIVE DATE: Immediate

In response to critical refrigeration market needs for higher efficiency and more reliable products, Emerson Climate Technologies, Inc. is excited to announce the launch of the new Copeland Scroll™ ZS*KA product line. Based on latest advances in scroll technology, the ZS*KA will feature improved reliability and efficiency, as well as quieter operation. The ZS*KA models will be available with three phase motors, which is new to the industry for the smaller scrolls. Meeting the need for lower global warming potential refrigerants, ZS*KA is approved for use with R-407A and R-407C, in addition to R-404A, R22, R134a, and R-507. The ZS*KA also offers an extended operating envelope, covering the ZS*K4, ZB*KC, and CS*K6 operating envelopes.

The models are currently released and samples are available to support any transitions to the new product. Please refer to the tables below for additional information.

- **Table 1** – Capacity Cross Reference
- **Table 2** – ZS*KA Model Availability
- **Table 3** – ZS*KA BOM Variations

**Table 1 – Copeland Scroll™ ZS*KA Capacity (BTU/hr) Cross Reference
(404A, 20°F/120°F/65°F RG/0°F SC, 60 Hz)**

New ZS*KA Model		Current ZS*K4 Model		Current ZB*KC Model		Current CS*K6 Model	
Model No.	Capacity	Model No.	Capacity	Model No.	Capacity	Model No.	Capacity
ZS09KAE	9,400	N/A	N/A	ZB10KCE	9,900	CS10K6E	10,600
ZS11KAE	11,200	N/A	N/A	ZB11KCE	10,900	CS12K6E	12,400
ZS13KAE	12,800	N/A	N/A	ZB13KCE	12,900	CS13K6E	14,100
ZS15KAE	15,500	ZS15K4E	15,300	ZB15KCE	14,800	CS14K6E	15,000
ZS19KAE	17,500	ZS19K4E	18,800	ZB19KCE	18,500	CS18K6E	19,500
ZS21KAE	23,400	ZS21K4E	20,800	ZB21KCE	22,200	CS20K6E	21,900
ZS26KAE	26,000	ZS26K4E	26,100	ZB26KCE	26,000	CS24K6E	24,500
ZS29KAE	29,400	ZS30K4E	30,000	ZB30KCE	29,600	CS27K6E	29,700
ZS33KAE	32,600	ZS38K4E	36,800	ZB38KCE	37,000	CS33K6E	33,400

Table 2 – Copeland Scroll™ ZS*KA Availability

Model #	PFV 1Ø 208/230/60	PFJ 1Ø 265/60 1Ø 220/240/50	TF5 3Ø 200/230/60 3Ø 200/220/50	TFD 3Ø 460/60 3Ø 380/420/50	TF7 3Ø 380/60	TFE 3Ø 575/60
ZS09KAE	NOW	NOW	NOW	NOW	Not Avail.	Not Avail.
ZS11KAE	NOW	NOW	NOW	NOW	Sept '12	Not Avail.
ZS13KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS15KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS19KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS21KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS26KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS29KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12
ZS33KAE	NOW	NOW	NOW	NOW	Sept '12	Sept '12

Table 3 – BOM Variations Offered For ZS*KA

118	Circle Fence for Molded Plug, no sightglass or oil drain, straight tube fittings.
618	International, Circle Fence for Molded Plug, no sightglass or oil drain, straight tube fittings, with mounting parts, with grounding.
818	Circle Fence for Molded Plug, no sightglass or oil drain, straight tube fittings, with mounting parts, single packed.

*Molded Plug 529-0060-04 to be used with this product line and ordered separately.

Please refer to [AE-1387](#) for further details on the application of Copeland Scroll ZS*KA models. For more information on the benefits of the compressors, please contact your district sales manager or application engineer, or visit [www.emersonclimate.com/Copeland Scroll_ZSKA](http://www.emersonclimate.com/Copeland_Scroll_ZSKA) for more information.