

Since most of your customers probably do a lot of their communication electronically, why not use email blasts to contact them about your latest technology. Emails can be much more economical and effective than direct mail campaigns and you will be able to track the activity and effectiveness of your communication.

By co-branding an email campaign with Emerson Climate Technologies you can leverage your product and the technology that you have designed into it. Emerson Climate can help you develop and design the campaign, and you can use the email database we have, or provide a list of your own.

If you have an upcoming product launch, or message you would like to communicate to your customers, contact your District Sales Manager for information on how to get started. Feel free to contact Dottie Baker at Emerson: [dottie.baker@emerson.com](mailto:dottie.baker@emerson.com)



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January 19, 2009

Dear Foodservice Professional,

Are energy savings and reliability important to you? Thought so... That is why Emerson Climate Technologies will be displaying equipment with the popular Copeland Scroll® technology inside at the upcoming NAFEM show.

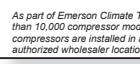
In our booth (#3046) we will be featuring our new ZX outdoor condensing unit. The Copeland outdoor condensing unit integrates scroll compressor technology and variable speed fan technology to achieve the industries' highest efficiency and quietest product.

In addition you can view the soft serve ice cream machine from Stoelting™ and frozen carbonated beverage machine from FBD, both utilizing Copeland Scroll® technology.

To learn more about the NAFEM trade show visit <http://www.nafem.org/thenafemshow/> and to find out more about Emerson Climate Technologies visit <http://www.emersonclimate.com/foodservice>.


See you at the show,

Leland Smith  
Director of Marketing




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**BULLETIN**




As part of Emerson Climate Technologies' commitment to environmental friendliness, more than 10,000 compressor models in start-up compressors are installed in air conditioning units at authorized wholesaler locations nationwide.

**NO:** MB2008CC-53  
**DATE:** 1/12/2009  
**TO:** Refrigeration Original Equipment Manufacturers  
**FROM:** Emerson Climate Technologies, Inc. - Integrated Products Division  
**SUBJECT:** Federal Energy Standard for Walk Ins  
**EFFECTIVE DATE:** Immediate  
**REQUIRED:** Order new BOM with PSC motor



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**BULLETIN**



**NO:** MB2008CC-45  
**DATE:** 1/16/2009  
**TO:** Original Equipment Manufacturers  
**FROM:** Emerson Climate Technologies, Inc.  
**SUBJECT:** New External Motor Protection Module  
**EFFECTIVE DATE:** Immediate  
**ACTION REQUIRED:** None

We are announcing a change to the external motor protector modules used on certain 7-30 Hp Copeland Scroll® compressors. (Click [here](#) to see the compressor models impacted.) The compressor models affected are listed in the attached table along with old and new part numbers. Changes are in effect now for compressors manufactured in Europe and the United States.


This protector module change enables our products to be used in compliance with International Standard IEC/EN 60335. The Standard requires that reliability measures are in place to protect against failures of electric motor driven systems which use electronic protection circuits. The need to prevent compressors from starting if the PTC thermistor chain in the motor windings had short-circuited and was unable to function normally as the protection device during start-up.

The new short-circuit protection feature does not require any change in the application of the modules. The modules are electrically equivalent to the replaced part numbers and will require no UL changes by the OEM. The new modules operate exactly as the previous modules in application bulletins for each impacted compressor. The only change is the addition of short-circuit protection feature.

| Part Numbers of External Protector Modules |             |                      |         |
|--|-------------|----------------------|---------|
| U.S. Part Number                           |             | European Part Number |         |
| Old  | New         | Old                  | New     |
| 071-0615-00                                | 071-0649-00 | 8556483              | 8558514 |
| 071-0615-01                                | 071-0649-01 | 8556494              | 8558525 |
| 071-0615-02                                | 071-0649-02 | 8556507              | 8558536 |
| -  | 071-0649-03 | -                    | 8558616 |
| 071-0620-00                                | 071-0650-00 | 8556916              | 8558547 |


| Module Characteristics |             |               |                  |                                   |                |
|------------------------|-------------|---------------|------------------|-----------------------------------|----------------|
| New Part No.           | Voltage     | Phase Sensing | Reset Time Delay | Control Circuit Continuous Rating | Control Inrush |
| 071-0649-00            | 120/240V AC | No            | 30 min           | 300/375 VA                        | 25 A           |
| 071-0649-01            | 24V AC      | No            | 30 min           | 60 VA                             | 25 A           |
| 071-0649-02            | 24V DC      | No            | 30 min           | 60 VA                             | 25 A           |
| 071-0649-03            | 120/240V AC | No            | 60 min           | 300/375 VA                        | 25/15 A        |
| 071-0650-00            | 120/240V AC | Yes           | 30 min           | 300/375 VA                        | 25/15 A        |

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**BULLETIN**



**NO:** MB2008CC-43  
**DATE:** 10/10/2008  
**TO:** Original Equipment Manufacturers  
**FROM:** Emerson Climate Technologies, Inc.  
**SUBJECT:** ZRK4 & ZBKC Scroll Product Enhancements  
**EFFECTIVE DATE:** 10/13/2008

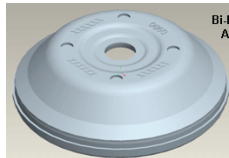
All ZRK4 models and the ZBKC models in Table 1 will now use the ZRKA, 53 Frame muffler plate stamping with the improved 5G bi-metal temperature protection assembly (Figure 1). The bi-metal assembly will be moved from the fixed scroll into the muffler plate, like the ZRKA platform, for improved temperature protection. There will be no impact to product fit, function, or performance as a result of this change.

If you have additional questions, please contact your Emerson Application Engineer or visit Emerson's Online Product Information (OPI) located at [www.emersonclimate.com](http://www.emersonclimate.com).

|        |         |         |
|--------|---------|---------|
| ZR16K4 | ZR16K4E | ZB10KCE |
| ZR18K4 | ZR18K4E | ZB11KCE |
| ZR22K4 | ZR22K4E | ZB13KCE |
| ZR24K4 | ZR24K4E | ZB14KCE |

Table 1

Current ZRK4 Muffler Plate



New ZRK4 Muffler Plate (Same as ZRKA)

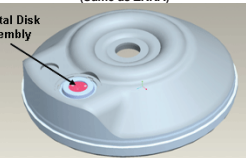




Figure 1

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**BULLETIN**



**NO:** MB2008CC-53  
**DATE:** 1/12/2009  
**TO:** Refrigeration Original Equipment Manufacturers  
**FROM:** Emerson Climate Technologies, Inc. - Integrated Products Division  
**SUBJECT:** Federal Energy Standard for Walk Ins  
**EFFECTIVE DATE:** Immediate  
**REQUIRED:** Order new BOM with PSC motor

**new Federal Standard that went into effect January 1, 2009:**

Energy Conservation Act (42 U.S.C. 6313):  
PSC fan motors of under 1 horsepower, use electrically commutated motors;  
Permanent split capacitor-type motors; or  
3-phase motors

To meet this new requirement, we have released new models with Permanent Split Capacitor (PSC) motors. These PSC fan motor upgrades apply to units that previously used fan motors and are equal to or greater than 1/2 Hp. Example: F3AH-A078-1AV-001, 2-1AA-201

The standard models that have a PSC fan motor, a "5" has been used in the second digit of the BOM, example 251. Customer Special BOM's will not have a second digit and will be handled separately. The BOM is the last 3 digits of the model number designates how the unit is featured. The current list of available models is listed below.

| Model | Unit With PSC BOM |
|-------|-------------------|
|       | 051               |
|       | 056               |
|       | 057               |
|       | 052               |
|       | 055               |
|       | 060               |
|       | 156               |
|       | 152               |
|       | 153               |
|       | 154               |
|       | 251               |
|       | 252               |

There is a PSC fan motor kit available for converting standard noncompliant product to PSC. The kit will include the fan motor and capacitor box assembled and fan blade standard fan blade can not be used.

If you have any additional questions regarding this bulletin, please contact your local Emerson Sales Manager.

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