



Marketing

BULLETIN

NO: 14-12

DATE: 07/24/12

TO: EMERSON CLIMATE TECHNOLOGIES WHOLESALERS
-EXECUTIVES
-PRODUCT MANAGERS
-EMERSON™ TECHNICAL SPECIALISTS
-BRANCH PERSONNEL

SUBJECT: 7.5-15 HP ZR90K3(E) - ZR19M3(E) SERVICE MODEL CONSOLIDATION

To help wholesalers reduce the number of compressors needed to service the aftermarket, Emerson has initiated a consolidation program that eliminates 50% of the models in the 7.5-15HP ZR90K3(E) - ZR19M3(E) product line. This consolidation was achieved by eliminating mineral oil models. The transition will begin on August 1, 2012 and will take place over several months as we deplete inventory. POE models are compatible with R-22 and all of the refrigerants previously approved for use with POE.

For a complete list of *Refrigerants/Lubricants Approved for Use in Copeland™ Compressors* please see [Form 93-11](#). You may also refer to 2012ECT-38 for the ZR* Service Compressor Instructions that are included in every box. These instructions are shown on page three of this bulletin. Below is a cross reference table for your use.

Previously Available Models	Oil Type	Models Available After Consolidation	Oil Type
ZR90K3-TW5-7XX/8XX/9XX	Mineral	ZR90K3E-TW5-922	POE
ZR90K3E-TW5-7XX/8XX/9XX	POE		
ZR90K3-TWC-7XX/8XX/9XX	Mineral	ZR90K3E-TWC-922 And 961	
ZR90K3E-TWC-7XX/8XX/9XX	POE		
ZR90K3-TWD-7XX/8XX/9XX	Mineral	ZR90K3E-TWD-922 And 961	
ZR90K3E-TWD-7XX/8XX/9XX	POE		
ZR90K3-TWE-7XX/8XX/9XX	Mineral	ZR90K3E-TWE-922 And 961	
ZR90K3E-TWE-7XX/8XX/9XX	POE		
ZR11M3-TWC-7XX/8XX/9XX	Mineral	ZR11M3E-TWC-922 And 961	POE
ZR11M3E-TWC-7XX/8XX/9XX	POE		
ZR11M3-TWD-7XX/8XX/9XX	Mineral	ZR11M3E-TWD-922 And 961	
ZR11M3E-TWD-7XX/8XX/9XX	POE		
ZR11M3-TWE-7XX/8XX/9XX	Mineral	ZR11M3E-TWE-922 And 961	
ZR11M3E-TWE-7XX/8XX/9XX	POE		
ZR12M3-TW5-7XX/8XX/9XX	Mineral	ZR12M3E-TW5-922	POE
ZR12M3E-TW5-7XX/8XX/9XX	POE		
ZR12M3-TWC-7XX/8XX/9XX	Mineral	ZR12M3E-TWC-922 And 961	
ZR12M3E-TWC-7XX/8XX/9XX	POE		
ZR12M3-TWD-7XX/8XX/9XX	Mineral	ZR12M3E-TWD-922 And 961	
ZR12M3E-TWD-7XX/8XX/9XX	POE		
ZR12M3-TWE-7XX/8XX/9XX	Mineral	ZR12M3E-TWE-922 And 961	
ZR12M3E-TWE-7XX/8XX/9XX	POE		



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ZR16M3-TW5-7XX/8XX/9XX	Mineral	ZR16M3E-TW5-922	POE	
ZR16M3E-TW5-7XX/8XX/9XX	POE			
ZR16M3-TWC-7XX/8XX/9XX	Mineral	ZR16M3E-TWC-922 And 961		
ZR16M3E-TWC-7XX/8XX/9XX	POE			
ZR16M3-TWD-7XX/8XX/9XX	Mineral	ZR16M3E-TWD-922 And 961		
ZR16M3E-TWD-7XX/8XX/9XX	POE			
ZR16M3-TWE-7XX/8XX/9XX	Mineral	ZR16M3E-TWE-922 And 961		
ZR16M3E-TWE-7XX/8XX/9XX	POE			
ZR19M3-TW5-7XX/8XX/9XX	Mineral	ZR19M3E-TW5-922		POE
ZR19M3E-TW5-7XX/8XX/9XX	POE			
ZR19M3-TWC-7XX/8XX/9XX	Mineral	ZR19M3E-TWC-922 And 961		
ZR19M3E-TWC-7XX/8XX/9XX	POE			
ZR19M3-TWD-7XX/8XX/9XX	Mineral	ZR19M3E-TWD-922 And 961		
ZR19M3E-TWD-7XX/8XX/9XX	POE			
ZR19M3-TWE-7XX/8XX/9XX	Mineral	ZR19M3E-TWE-922 And 961		
ZR19M3E-TWE-7XX/8XX/9XX	POE			

Compressor BOM descriptions for the models remaining after consolidation are below:

Bill Of Material #	Description
922	Stub Tube connections, 24V and 120/240V modules, rubber mounting parts and mounting part instructions
961	Rotalock connections, Rotalock to stub tube adapters, 24V and 120/240V modules, rubber mounting parts and mounting part instructions

Contact your Distribution Services Sales Manager or Customer Service with any questions regarding this information.

ZR* service compressor instructions

for air conditioning applications

This Copeland Scroll™ compressor contains Polyol Ester lubricant (POE). This is the required lubricant for HFC refrigerants such as R-407C and R-134a. POE is also compatible with HCFC refrigerants including R-22. Please use the following chart to confirm that a proper refrigerant and lubricant combination is being utilized with this service compressor.

Refrigerant and lubricant compatibility

System refrigerant	Application	Current system oil	Service replacement single compressor oil	Tandem compressor oil	Compatible
R-22	Single compressor	Mineral oil	POE	n/a	Yes*
R-22	Tandem compressors	Mineral oil	POE	POE	Yes*
R-407C or R-134a	Single compressor	POE	POE	n/a	Yes
R-407C or R-134a	Tandem compressors	POE	POE	POE	Yes

* A mixture of mineral and POE lubricant is acceptable in systems operating with R-22 refrigerant.

Proper selection of compressor mounting parts is critical to the reliability and sound as well as vibration characteristics of air conditioning systems. This compressor is shipped with the rubber mounting parts for single compressor installations. Please use the following chart to confirm that the proper mounting components are being applied with this service compressor.

Compressor mounting parts

Installation type	Mounting kit	Description	Comments
Single compressor	527-0159-00	Rubber mounting kit	Contained in this compressor box
Tandem or trio	527-0166-02	Hard (metal) mounting kit	Reuse existing compressor mounts or order new mounting kit. Discard mounting kit in this box

Additional information

For additional performance and product information on Copeland™ compressors please visit EmersonClimate.com and select Online Product Information (OPI).

Additional information on refrigerant/lubricant combinations can be found in Emerson Climate Technologies publication 93-11.