

NO: 12-08
DATE: 11/14/2008
TO: **All Customers**
FROM: Emerson Climate Technologies – **Europe**
SUBJECT: **Scroll Compressor Name Plate Information**

Starting December 1st 2008, Emerson Climate Technologies is printing new information on the compressor name plate being produced in Welkenraedt (Belgium).

The changes are:

- Copeland has been replaced by Emerson Climate Technologies
- Reference to www.emersonclimate.eu for technical information
- “No Capacitor” is indicated when it is not applicable
- IP rating is not anymore indicated
- “THERMALLY PROTECTED” wording have been removed
- Logos:
 - New Gost (Russian)
 - New UL replacing UL / CSA
 - CE logo is associated with the number 0036 (was 0062) for Category 2 case
- Information related to Pressure European Directive (PED)
 - Pressure Category CAT 1 or CAT 2 is indicated
 - Pressures are Given as follow

	Pressure Category 1	Pressure Category 2		
	ZR ZP ZH ZF ZS ZB	ZR ZH	ZP	ZF ZS ZB
High SIDE PS (BAR)	32	32	45	32
Low Side PS (BAR)	18.8	18.8	29.5	22.6

- Temperatures are given as follow

	Pressure Category 1	Pressure Category 2
	ZR ZP ZH ZF ZS ZB	ZR ZP ZH ZF ZS ZB
Low Side TS Min	NA	-35 °C
Low Side TS Max	50 °C	50 °C


Belonging to category 1 or 2 is defined by the Internal Free Volume (IFV) multiplied by the refrigerant pressure, if the value is bellow 200, then it is in category 1, and 2 if above.
 As summary, the categories are as follow: all the “Small” scroll are in Category 1 (bellow 7.5 Hp) all the upper model are in Category 2. (Except the ZR94K which is in Cat 1)
 For further information please refer to Technical Information Ref: CC7.4.1/0308/E

- If a customer reference exists in the system for a certain model, it will be automatically printed on the name plate (15 characters max, plus the bare code). For further information about this function ask customer service.

Category

New Logo

Customer Reference



MODEL **ZR11K3E-TWD-561**

SERIAL **08L932660**

CUSTOMER **147172**

OIL		MOTOR	RUN CAP	U		PH	HZ	LRA	I-BLOCK	I-OPER MAX	U (H ² /H)	N(MIN)	HIGH SIDE PS = 32 BAR	
0Z.	L.	B	MFD VOLTS	380	420	3	50	123		020.0	025.1	2900	PED LOW SIDE	
140	04.1	PROT.	NO CAPACITOR	460		3	60	125		020.0	030.3	3500	TS MIN = -35°C	
POE		K											TS MAX = 50°C	
													PS = 1.8 BAR	

MADE IN BELGIUM BY EMERSON CLIMATE TECHNOLOGIES GMBH
FOR TECHNICAL INFORMATION AND DECLARATION OF CONFORMITY SEE WWW.EMERSONCLIMATE.EU

⚠ WARNING

Service should be performed by trained personnel only. Failure to follow these safety warnings could result in serious injury or death.

ELECTRICAL SHOCK HAZARD

Turn off power before servicing. Discharge all capacitors. Use this equipment in a grounded system only.

Wear protective goggles. System contains oil and refrigerant under pressure.

Remove pressure from both high and low side before removing compressor. Use tubing cutter to remove compressor. Do not use torch.

Refer to applicable system wiring diagram. Replace terminal cover, if applicable, before applying power.

⚠ CAUTION

Use only approved refrigerants/lubricants and electrical components in the manner approved by the manufacturer. For details refer to Form No. 93-11 available on the Emerson Climate Technologies website. Any others may be dangerous, and could cause fires, explosions, or electrical shorting.

⚠ AVERTISSEMENT

Le service doit être confié à du personnel qualifié seulement. Le non-respect de ces mises en garde peut entraîner des accidents graves ou la mort.

RISQUE DE CHOC ELECTRIQUE

Couper l'alimentation avant d'entreprendre le dépannage. Faire décharger tous les condensateurs.

N'utiliser ce matériel qu'avec un système mis à la terre.

Porter des lunettes de protection. Le système contient de l'huile et des réfrigérants sous pression.

Relâcher la pression sur les côtés haute et basse pression avant d'enlever le compresseur. Utiliser une coupe-tuyau pour enlever le compresseur. Ne pas utiliser de chalumeau.

Consulter le schéma de câblage approprié. Remplacer le couvercle du coffret à bornes, le cas échéant, avant de mettre sous tension.

⚠ ATTENTION

Utiliser un réfrigérant/lubrifiant et des composants électriques approuvés, selon la directive du fabricant. Pour plus de détails, se référer au formulaire No. 93-11 disponible sur le site internet d'Emerson Climate Technologies. Tout autre produit peut être dangereux et pourrait causer des incendies, des explosions ou des courts-circuits électriques.

⚠ WARNING

Service ist ausschließlich von geschultem Personal durchzuführen. Nichtbeachtung dieser Sicherheitsvorschriften kann zu schweren Verletzungen oder Tod führen.

VORSICHT! SPANNUNG!

Vor Servicearbeiten die Stromversorgung abschalten und alle Kondensatoren entladen. Anlage nur geerdet betreiben. Schutzbrille tragen, da Öl und Kältemittel bei der Anlage unter Druck stehen. Überdruck auf Hoch- und Niedersdruckseite vor Ausbau des Verdichters entfernen. Anschlüsse mit Rohrschneider, nicht mit Schweißbrenner trennen.

Anlagenschaltbild beachten. Vor dem Anschließen Anschlußkasten schließen (sofern zu öffnend).

⚠ VORSICHT!

Es dürfen nur zugelassene Kältemittel/Schmierstoffe und elektrische Komponenten in der vorgeschriebenen Weise verwendet werden. Einzelheiten entnehmen Sie bitte Formular Nr. 93-11, das auf der Website von Emerson Climate Technologies verfügbar ist. Alle anderen können gefährlich sein und zu Brand, Explosionen oder einem elektrischen Kurzschluss verursachen.

Name

Capacitor Info

High Side Pressure

Low Side Pressure & Temperatures