

INSTALLATION INSTRUCTIONS

QUEST 4 FLAVOUR COMPRESSOR REPLACEMENT KIT

SAFETY INSTRUCTIONS

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

FIRE HAZARD WARNING

 **WARNING:**

This unit contains a flammable refrigerant. Keep all flammable materials away from the compressor area. Always be sure to keep the area around the unit clean and free of clutter.

Failure to keep this area clean may result in a fire hazard, injury or equipment damage.

PARTS LIST

SI No.	Part Number	Description	Variant	Qty
1	620058690	Compressor 115V/60HZ QST 2/4FL TCMSEH	115V	1
	620058693	Compressor 230V/50HZ QST 2/4FL TCMSEH	230V	
	620059657	Compressor 220V/60HZ QST 2/4FL TCMSEH	220V	
2	620059658	Tubing Suction Line With HX Quest 4FL	115V 230V 220V	1
3	620059659	Line Discharge Quest 4FL	115V 230V 220V	1
4	740001845	Compressor Process Tube	115V 230V 220V	1
5	620059660	Bracket Compressor Mounting 4FL	115V 230V 220V	1
6	620062541	Label Refg Asm Internal QST 4FL 115V/60HZ	115V	1
	620062545	Label Refg Asm Internal QST 4FL 230V/50HZ	230V	
	620062543	Label Refg Asm Internal QST 4FL 220V/60HZ	220V	
7	620062542	Label Refg Asm External QST 4FL 115V/60HZ	115V	1
	620062546	Label Refg Asm External QST 4FL 230V/50HZ	230V	
	620062544	Label Refg Asm External QST 4FL 220V/60HZ	220V	
8	629097407	Set Mount Comp 2 & 4 FL	All	1
9	629097405INS	Manl Inst Comp Kit QST 4 FL	All	1

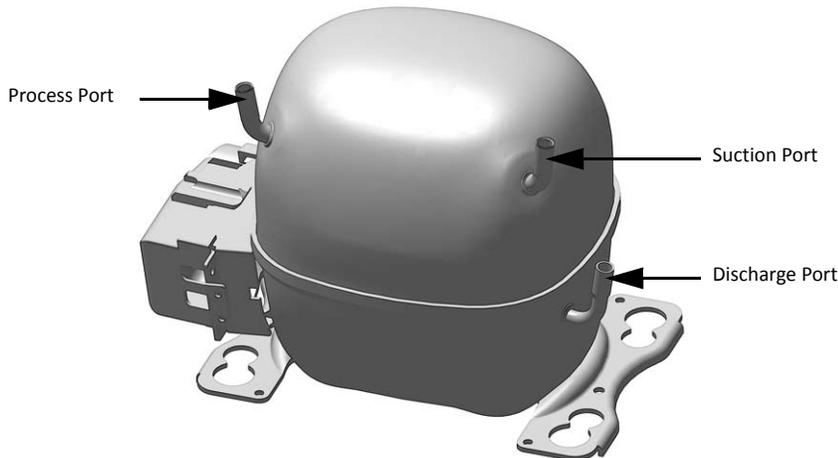


Figure 1. New Compressor

INSTRUCTIONS

These instructions describe how to install a replacement refrigeration compressor.

WARNING:

Read and understand these instructions thoroughly before proceeding with this conversion.

1. Unpack and inspect the kit.
2. Make sure all parts listed are present and in good condition.
3. Unplug unit power supply and remove the existing connections from the compressor E-Box.

4. Remove the charge from the unit
5. De-braze the tubings of suction line and discharge line (both ends), and remove the suction and discharge lines.

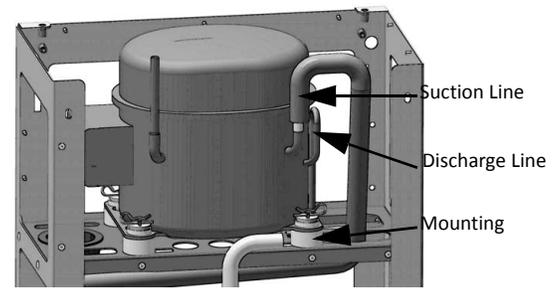


Figure 2.

6. Remove the pins and pull up the compressor, ensure that no tubes or wire harnesses is interfering while removing the compressor.
7. Remove the grommets and the mounting bracket.

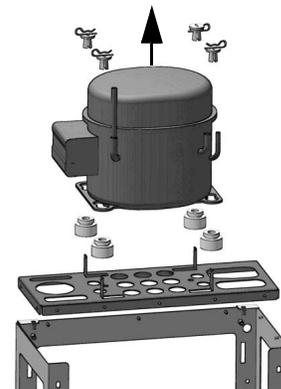


Figure 3.

8. Install the new compressor with all the mounting accessories to ensure compressor is fixed properly.

NOTE: The bracket must be mounted top down as shown.

9. Attach the internal label to supplied with the kit with respect to the voltage (Refer parts list).

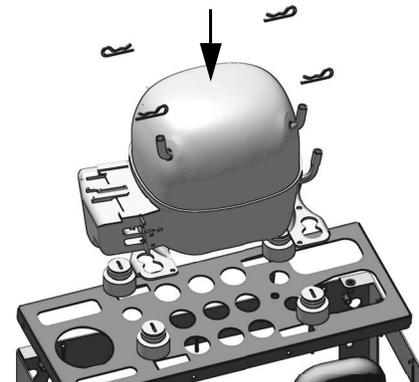


Figure 4.

10. After fixing the compressor remove the nitrogen from the compressor and braze the process tube.

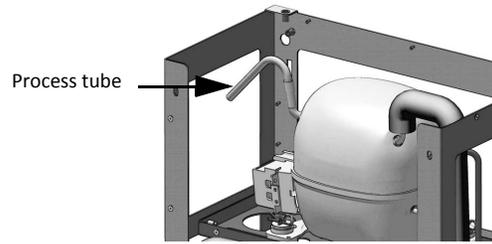


Figure 5.

11. Braze the new discharge line, from the compressor discharge to the condenser.
12. Braze the new suction line to suction port of compressor and coil outlet on tank top cover assembly.
13. Braze one end of the capillary on dryer outlet and the other end on evaporator inlet.

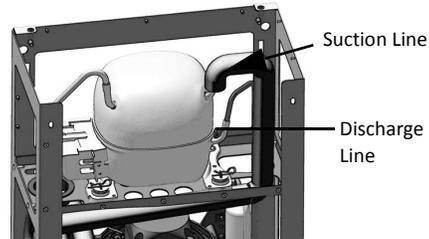


Figure 6.

⚠ WARNING:

While brazing Suction Line ensure suction line insulation is pulled-up to avoid burning.

14. Braze all the joints and ensure all the tubings are placed.

IMPORTANT : Ensure that all electrical components, compressor, condenser fan motor, E-box etc. are properly grounded as per local laws.

15. Fill the unit with nitrogen and check for leaks.
16. Once the leak test is completed, evacuate the system and fill 6.34Oz of R134A refrigerant.
17. Connect the electrical supply to the unit and confirm proper operation.