Mbsm.pro, FH4524F compressor capacitor ?

Category: compressor
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The FH4524F is a reciprocating compressor model manufactured by Tecumseh. It’s a 2 HP compressor that uses R22 refrigerant and is commonly used in refrigerators, freezers, air conditioners, and commercial refrigeration applications.

FH4524F compressor

Here are some of the key specifications of the FH4524F compressor:

- **Refrigerant:** R22

- **Voltage/Frequency:** 208-220 V/50 HZ
- **Horsepower (HP):** 2
- **Capacity Rating Basis:** 35°C ambient, 11K return gas superheat, 54.5°C condensing, 46°C liquid entering expansion valve
- **Current FLA:** Given at nominal voltage, rated conditions and 7.2°C evaporating temperature

The FH4524F is known for its robustness, efficiency, and low noise level. It is also relatively easy to install and operate.

The FH4524F compressor uses two capacitors: a start capacitor and a run capacitor.

- **Start capacitor:** This capacitor provides a brief surge of current to the compressor motor when it is starting up. It is typically rated at 100 µF and 330 V.start capacitor
- **Run capacitor:** This capacitor helps to maintain the compressor motor’s running current. It is typically rated at 30 µF and 400 V.run capacitor

The specific capacitance and voltage ratings of the capacitors you will need will depend on the specific model of your FH4524F compressor. It is always best to consult the compressor’s manual or specifications to find the correct values.

When replacing the capacitors, it is important to use capacitors that are rated for the same voltage and capacitance as the originals. Using capacitors with incorrect ratings can damage the compressor.

Here are some additional tips for replacing the capacitors in your FH4524F compressor:

- Make sure the compressor is unplugged from the power outlet before you begin.
- Discharge the capacitors before you touch them. This can be done by touching the leads of the capacitors together with a screwdriver or other metal object.
- Unsolder the old capacitors from the compressor’s electrical terminals.
- Solder the new capacitors in place of the old ones.
- Be careful not to overheat the capacitors while soldering them.
- Once the new capacitors are in place, recheck the compressor’s wiring to make sure everything is connected correctly.
- Plug the compressor back in and turn it on.