

## CXW CXW TECHNOLOGIES VCC3 2456

# Instruction Manual for New 220-240V OEM Refrigerator Inverter

Model: VCC3 2456 | Brand: CXW CXW TECHNOLOGIES

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation and operation of your new 220-240V OEM Refrigerator Inverter, model VCC3 2456. This universal inverter is designed to be compatible with major refrigerator brands on the market. Please read this manual thoroughly before installation and retain it for future reference.

## 2. SAFETY INFORMATION

### **WARNING: Risk of Electric Shock.**

Installation and servicing of this inverter should only be performed by qualified professionals. Before touching any terminals or performing any work on the system, always unplug the refrigerator from the power source and wait at least 30 seconds to allow any residual charge to dissipate. Failure to do so can result in severe injury or death.

- Ensure the power supply matches the inverter's specifications (220-240V~/50-60Hz).
- Do not operate the inverter if it appears damaged.
- Keep the inverter away from water and excessive moisture.
- Ensure proper grounding as per local electrical codes.

## 3. PRODUCT FEATURES

- New OEM 220-240V refrigerator inverter compatible with major brands on the market.
- Input: 220-240V~/50-60Hz 2.1A 1PH.
- Output: 230V-40 TO 150Hz 2.1A 3PH.
- Designed for direct replacement of VCC3 2456 inverters.
- Comes with compressor wire & connector only, designed to integrate with existing wiring.

## 4. INSTALLATION GUIDE

This inverter is intended for professional installation only. Incorrect installation can lead to product damage, electric shock, or fire. Always consult a qualified technician.

**1. Preparation:**

- Ensure the refrigerator is completely unplugged from the main power supply.
- Wait at least 30 seconds after unplugging to allow capacitors to discharge.
- Gather necessary tools (e.g., screwdrivers, wire strippers, multimeter).

**2. Access the Old Inverter:**

Locate the existing inverter in your refrigerator. This is typically found near the compressor unit.



*Figure 4.1: Side view of the inverter, highlighting the internal circuitry and the pre-attached wiring harness.*

**3. Disconnect Old Inverter:**

Carefully disconnect all wiring from the old inverter. Note the position and connection of each wire. It is highly recommended to take photos before disconnecting.

**4. Install New Inverter:**

Mount the new VCC3 2456 inverter in the same location as the old one. This inverter comes with the compressor wire and connector only. You will need to use your old wires for the power input and other connections to ensure proper installation.



*Figure 4.2: Top view of the inverter, showing the various connection points for power input and output.*

Ensure all connections are secure and correctly matched. The numbers and letters after "VCC3 2456" on the product label (e.g., 519306189, 706917, 000Z) are typically lot numbers or manufacturing codes and can be ignored for compatibility purposes.



Figure 4.3: Front view of the inverter, displaying the product label with input/output specifications and safety warnings. Note the part numbers and manufacturing codes on the label.

#### 5. Test:

Once all connections are made and secured, carefully restore power to the refrigerator and observe its operation. Check for proper cooling and compressor function.

## 5. OPERATING INSTRUCTIONS

Once correctly installed, the VCC3 2456 inverter operates automatically as part of your refrigerator's cooling system. No user intervention is required for its operation. Ensure the refrigerator's power supply remains stable and within the specified voltage range.

## 6. MAINTENANCE

The VCC3 2456 inverter is a sealed unit and requires no routine maintenance. To ensure its longevity:

- Keep the area around the refrigerator's compressor and inverter clean and free of dust and debris to ensure proper ventilation.
- Avoid exposing the inverter to extreme temperatures or humidity.
- If any issues arise, always disconnect power before inspection and consult a qualified technician.

## 7. TROUBLESHOOTING

If your refrigerator is not functioning correctly after inverter replacement, consider the following:

Problem	Possible Cause	Solution
Refrigerator not cooling	Incorrect wiring; faulty compressor; power supply issue; inverter not compatible (unlikely if direct replacement)	Verify all wiring connections are secure and correct. Check the power supply to the refrigerator. Consult a professional technician to diagnose compressor or other system faults.
Inverter appears dead (no signs of operation)	No power supply; internal fault	Ensure the refrigerator is plugged in and receiving power. Check circuit breakers. If power is present, the inverter may be faulty. Professional diagnosis is required.

For complex issues or if troubleshooting steps do not resolve the problem, it is strongly recommended to contact a certified appliance repair technician.

## 8. SPECIFICATIONS

Attribute	Detail
Model Number	VCC3 2456
Brand	CXW CXW TECHNOLOGIES
Input Voltage	220-240V~
Input Frequency	50-60Hz
Input Current	2.1A 1PH
Output Voltage	230V
Output Frequency	40 TO 150Hz
Output Current	2.1A 3PH
Item Weight	12.7 ounces (approx. 360g)
Package Dimensions	6.06 x 5.79 x 2.24 inches
Color	Black

## 9. WARRANTY AND SUPPORT

Specific warranty details for this OEM part may vary depending on your purchase location and the seller. Please refer to your purchase documentation for warranty information.

For technical support or professional installation assistance, it is recommended to contact a certified appliance repair technician or the original equipment manufacturer of your refrigerator.



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