

ZHRCLY VNX1116Y

ZHRCLY JIAXIPERA Compressor VNX1116Y 230V Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your ZHRCLY JIAXIPERA Compressor, model VNX1116Y 230V. Please read this manual thoroughly before using the product and retain it for future reference. Proper adherence to these instructions will ensure optimal performance and longevity of the compressor.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure the power supply matches the compressor's voltage requirements (230V).
- Disconnect power before performing any installation, maintenance, or repair work.
- Only qualified personnel should install or service this compressor.
- Handle refrigerants with care and in accordance with local regulations. This compressor uses R600a refrigerant.
- Ensure adequate ventilation around the compressor during operation.
- Avoid touching hot surfaces during or immediately after operation.
- Do not operate the compressor if it is damaged or malfunctioning.

3. PRODUCT OVERVIEW

The ZHRCLY JIAXIPERA Compressor VNX1116Y 230V is designed for various refrigeration applications. It is a robust and efficient component, featuring specific electrical and refrigerant characteristics.



Image Description: The image displays a black, dome-shaped compressor unit, typical for refrigeration systems. A white label is prominently affixed to the side, indicating the model number VNX1116Y, operating voltage of 230V, and frequency range of 40-180Hz. The label also specifies the refrigerant type as R600a and includes the brand 'jiaXipera' along with regulatory marks (CCC, e). The compressor features inlet and outlet tubes, and a sturdy base with mounting points.

4. SETUP

Proper installation is crucial for the compressor's performance and safety. Consult a qualified technician for installation if you are not experienced with refrigeration systems.

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any visible damage during transit.
2. **Mounting:** Securely mount the compressor on a stable, level surface using appropriate fasteners. Ensure the mounting points are properly aligned and tightened.
3. **Electrical Connection:** Connect the compressor to a dedicated 230V power supply circuit. Ensure all wiring conforms to local electrical codes and the compressor's specifications. Verify correct polarity.
4. **Refrigerant Lines:** Connect the suction and discharge lines to the appropriate ports on the compressor. Ensure all connections are leak-free and properly brazed or sealed.
5. **Vacuum and Charge:** Evacuate the refrigeration system to remove air and moisture. Then, charge the system with the correct amount of R600a refrigerant as specified by the system manufacturer.
6. **Leak Check:** Perform a thorough leak check on all connections using an appropriate leak detection method.

5. OPERATING INSTRUCTIONS

Once installed and charged, the compressor operates automatically based on the refrigeration system's

controls. No direct user interaction is typically required for its operation.

- **Initial Start-up:** After installation and system charging, apply power to the refrigeration unit. The compressor should start and begin circulating refrigerant.
- **Monitoring:** Observe the system's performance, including temperature and pressure readings, to ensure proper operation.
- **Normal Operation:** The compressor will cycle on and off as needed to maintain the desired temperature within the refrigeration system.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your compressor and the overall refrigeration system.

- **Cleanliness:** Keep the area around the compressor clean and free from dust and debris to ensure proper heat dissipation.
- **Vibration Check:** Periodically check for excessive vibration, which could indicate loose mounting or internal issues.
- **Leak Detection:** Regularly inspect refrigerant lines and connections for any signs of leaks. Address any leaks immediately.
- **Electrical Connections:** Ensure all electrical connections are secure and free from corrosion.
- **Professional Service:** For complex maintenance or repairs, always consult a certified refrigeration technician.

7. TROUBLESHOOTING

If you encounter issues with your compressor, refer to the following common problems and solutions. For persistent or complex issues, contact a qualified technician.

Problem	Possible Cause	Solution
Compressor does not start	No power, faulty wiring, thermostat issue, overload protector tripped	Check power supply, inspect wiring, verify thermostat settings, reset overload protector (if applicable)
Compressor runs continuously	Low refrigerant charge, poor heat exchange, faulty thermostat, oversized load	Check for leaks and recharge refrigerant, clean condenser coils, test/replace thermostat, reduce load if possible
Compressor is noisy	Loose mounting, internal mechanical issue, refrigerant slugging	Tighten mounting bolts, consult technician for internal issues, check refrigerant charge and expansion device
Insufficient cooling	Low refrigerant, dirty condenser/evaporator, faulty fan, compressor inefficiency	Check refrigerant, clean coils, inspect fans, consult technician for compressor performance

8. SPECIFICATIONS

Key technical specifications for the ZHRCLY JIAXIPERA Compressor VNX1116Y 230V:

- **Brand:** ZHRCLY
- **Model Number:** VNX1116Y 230V
- **ASIN:** B0FRD7WLRP
- **Manufacturer:** Original factory
- **Parcel Dimensions:** 2.54 x 2.54 x 2.54 cm
- **Item Weight:** 8 kg
- **Refrigerant:** R600a (as indicated on product label)
- **Voltage:** 230V (as indicated on product label)
- **Frequency:** 40-180Hz (as indicated on product label)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your complete refrigeration system or contact the seller directly. Keep your purchase receipt as proof of purchase.

Seller Contact: Keyang Mechanical parts factory

For further assistance, you may visit the seller's page on Amazon:[Keyang Mechanical parts factory on Amazon.ca](#)