

DAIKIN RXF09AXVJU + FTXF09AXVJU

Daikin 9,000 BTU 21 SEER2 Oterra Series Ductless Mini-Split Heat Pump Air Conditioner User Manual

Brand: DAIKIN | Model: RXF09AXVJU + FTXF09AXVJU

1. PRODUCT OVERVIEW

The Daikin Oterra R32 Series 9,000 BTU 230V Mini-Split Heat Pump is designed for efficient climate control in spaces up to 400 sq. ft. It offers 9,000 BTUs of cooling power (Min 4,400 BTU - Max 11,200 BTU) and 10,000 BTUs of heating capacity (Min 4,400 BTU - Max 14,300 BTU). This unit achieves a high 21 SEER2 energy efficiency rating, 10.2 HSPF2, 12.5 EER2, and 4.06 COP, ensuring efficient year-round climate control through DC Inverter technology.

Key Features:

- **Exceptional Efficiency:** 21 SEER2, 10.2 HSPF2, 12.5 EER2, and 4.06 COP for energy-efficient operation.
- **All-Season Comfort:** Cooling from 50°F to 118.4°F and heating from 5°F to 64.4°F. Extended cooling operation down to -4°F with facility settings and wind baffle (not included).
- **Enhanced Durability:** Anti-Corrosion Treatment on the heat exchanger, Quick Warming Function, Automatic Defrosting, and a drain pan.
- **Advanced Features:** Powerful Operation, ECO+ mode for energy efficiency, Blue Fin Protection, and a Titanium Apatite Photocatalytic Air Purifying Filter for superior air quality.
- **Simplified Maintenance:** Designed for easier upkeep.

2. SAFETY INFORMATION

Please read this manual thoroughly before operating your new air conditioning unit. Make sure to save this manual for future reference.

- **Professional Installation:** Installation of this appliance should be performed by a qualified service person in accordance with all national wiring regulations. Incorrect installation can lead to fire, electric shock, injury, or other hazards.
- **Electrical Safety:** Ensure the unit is properly grounded. Do not operate with wet hands. Disconnect power before any maintenance or cleaning.

- **Refrigerant Handling:** This unit contains R32 refrigerant. Only qualified personnel should handle refrigerant. Improper handling can cause injury or damage.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and safe operation.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.

3. SETUP & INSTALLATION

3.1. What's Included

The Daikin Oterra Mini-Split system comes with a comprehensive installation kit to ensure a smooth setup process. Please verify all components are present upon delivery.

- Oterra 9,000 BTU Wall Mount Indoor Fan Coil (FTXF09AXVJU)
- Smart DC Inverter Condenser (RXF09AXVJU) Pre-charged with R32 Refrigerant
- Remote Control
- 15 Ft 1/4 x 3/8 - Maxwell Refrigerant Line with Interconnecting Cables Installation Kit
- 1/2 Whip
- 30A Disconnect
- Maxwell Wall Mounting Bracket



Figure 1: Overview of the Daikin Oterra Mini-Split system components. This image displays the indoor fan coil, outdoor condenser, remote control, pre-flared installation kit, 15ft communication cable, and outdoor unit wall bracket.

ALL-INCLUSIVE INSTALLATION KITS

Everything you need for an easy setup



INSTALLATION KITS INCLUDED ITEMS:

- 15' Gas & Liquid Insulated Copper Lines with Factory-Flared Connections
- Stranded and Unshielded 16 Gauge 4 Lead Interconnecting Cable
- Wall Filler Putty
- Decorative Wall Cap
- Wall Sleeve Cylinder
- Outdoor Unit Wall Bracket
- Non-Adhesive Decorative Wrapping Tape
- 6 Ft. Long Flexible Condensate Drain Hose

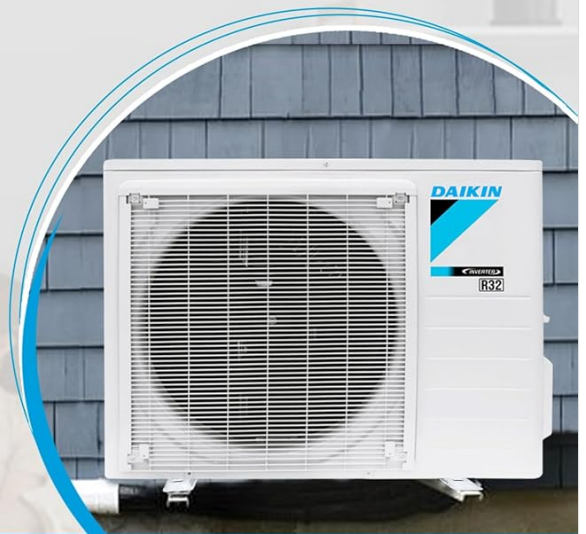


Figure 2: Detailed view of the Maxwell all-inclusive installation kit. Items include 15' Gas & Liquid Insulated Copper Lines, Stranded and Unshielded 16 Gauge 4 Lead Interconnecting Cable, Wall Filler Putty, Decorative Wall Cap, Wall Sleeve Cylinder, Outdoor Unit Wall Bracket, Non-Adhesive Decorative Wrapping Tape, and 6 Ft. Long Flexible Condensate Drain Hose.

3.2. Installation Process

While the Daikin Oterra system includes an installation kit, professional installation is highly recommended to ensure proper function, safety, and warranty validity. Incorrect installation can lead to refrigerant leaks, electrical issues, and reduced efficiency.

Key Installation Considerations:

- Indoor Unit Placement:** Ensure adequate clearance from the ceiling (at least 6-8 inches) for optimal airflow and efficiency. The unit's internal sensor measures room temperature from its location.
- Outdoor Unit Placement:** The Maxwell Wall Mounting Bracket is included for secure installation. Ensure the unit is level to facilitate proper drainage. Consider protecting exposed line sets and electrical connections from environmental factors.
- Electrical Connections:** The system requires a 30A Disconnect. All electrical wiring should comply with local codes and be performed by a qualified electrician.
- Refrigerant Lines:** The 15 Ft 1/4 x 3/8 Maxwell Refrigerant Line is pre-flared. Proper connection and vacuuming of the

lines are crucial to prevent leaks and ensure system performance.

- **Drainage:** Ensure the drain line has a continuous downward slope to prevent water accumulation and potential leaks.

Video 1: A detailed guide on mini split installation. This video demonstrates the unpacking, preparation of tools, installation of indoor and outdoor units, and trial operation steps for a mini-split system.

Video 2: This video showcases the installation of a mini split line set cover with a flexible duct, providing visual guidance on how to neatly conceal the refrigerant lines and wiring.

4. OPERATING INSTRUCTIONS

The Daikin Oterra Mini-Split system is operated via the included wireless remote control. The remote allows you to adjust temperature settings, fan speeds, operating modes (Cool, Heat, Dry, Fan), and access special features.

Remote Control Functions:

- **ON/OFF:** Power the unit on or off.
- **TEMP ▲/▼:** Adjust the desired temperature.
- **MODE:** Select operating mode (Cool, Heat, Dry, Fan).
- **FAN:** Adjust fan speed (Auto, Low, Medium, High).
- **SWING:** Control the vertical airflow direction. Horizontal airflow adjustment is manual.
- **ECO+:** Activates energy-saving mode.
- **POWERFUL:** Provides rapid cooling or heating for a short period.
- **SLEEP:** Adjusts temperature for comfortable sleep.
- **TIMER:** Set on/off timers for automated operation.

The remote control displays the set temperature, but it does not act as a room temperature sensor. The unit's internal sensor is located on the indoor fan coil.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Daikin Oterra Mini-Split system. Always disconnect power before performing any maintenance.

- **Air Filter Cleaning:** The unit features a washable air filter. Clean the filter regularly (e.g., every 2 weeks or as needed) to maintain airflow and air quality.
- **Titanium Apatite Photocatalytic Air Purifying Filter:** This filter helps improve air quality. Refer to the full user manual for specific cleaning or replacement instructions.
- **Outdoor Unit:** Keep the outdoor condenser coil clean and free from obstructions (leaves, debris). Ensure the drain pan is clear for effective condensation drainage.
- **Professional Check-up:** Schedule annual professional maintenance to ensure all components are functioning correctly and to check refrigerant levels.

6. TROUBLESHOOTING

If your Daikin Oterra Mini-Split system is not operating as expected, refer to the following common troubleshooting steps. For complex issues, contact a qualified HVAC technician.

- **Unit Not Turning On:** Check the power supply, ensure the 30A Disconnect is engaged, and verify the remote control batteries.
- **Insufficient Cooling/Heating:** Ensure air filters are clean. Check for obstructions around indoor/outdoor units. Verify the correct operating mode and temperature setting. Low refrigerant levels due to leaks can also cause this issue, requiring professional service.
- **Water Leaking from Indoor Unit:** Check if the drain line is clogged or improperly sloped. Ensure the unit is installed level.
- **Unusual Noises:** Minor operational noises are normal. Excessive or unusual noises may indicate a problem with the fan, compressor, or other internal components.
- **Error Codes:** The unit features Self-Diagnostics with Digital Display. If an error code appears, consult the full user manual for specific meanings and solutions.

7. SPECIFICATIONS

Detailed specifications for the Daikin 9,000 BTU 21 SEER2 Oterra Series Ductless Mini-Split Heat Pump Air Conditioner.



Figure 3: This image provides a detailed overview of the Daikin Oterra Mini-Split system's specifications, including energy efficiency ratings, BTU capacities for cooling and heating, operational temperature ranges, power supply, refrigerant type, piping connections, pre-charged piping length, sound pressure levels, and AHRI #. It also shows the dimensions of both the indoor and outdoor units.

Specification	Detail
Brand Name	DAIKIN
Model Info	RXF09AXVJU + FTXF09AXVJU
Product Dimensions	30.31 x 9.18 x 11.33 inches (Indoor Unit) 21.68 x 26.50 x 11.18 inches (Outdoor Unit)
Item model number	RXF09AXVJU + FTXF09AXVJU
Efficiency	High Efficiency (21 SEER2, 10.2 HSPF2, 12.5 EER2, 4.06 COP)
Capacity	0.75 Tons (9,000 BTU Cooling)

Specification	Detail
Noise Level	30 Decibels
Installation Type	Split System
Special Features	Auto-Changeover, Anti-Corrosion Heat Exchanger Treatment, Auto-Restart after Power Failure, Eco+ Mode, Washable Air Filter, Automatic Defrosting, Program Dry Function, Auto-Fan Speed Control, Self-Diagnostics with Digital Display, Backlit Wireless Remote Controller
Voltage	230 Volts
Wattage	60 watts
Material Type	Copper, Plastic
Included Components	Indoor Fan Coil, Outdoor Condenser, R32 w/ Installation Kit, 1/2 Whip, 30A Disconnect, and Wall Bracket
Floor Area Coverage	400 Square Feet
Refrigerant	R-32

8. WARRANTY & SUPPORT

The Daikin Oterra Mini-Split system comes with a **12-YEAR MANUFACTURER WARRANTY**. Please retain your proof of purchase and installation records for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Daikin customer support or your authorized dealer. Ensure you have your model number and purchase date available when contacting support.