

DAIKIN RXT24AVJU9+FTXV24AVJU9

Daikin Aurora 24,000 BTU Mini Split Air Conditioner Heat Pump User Manual

Model: RXT24AVJU9+FTXV24AVJU9

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Daikin Aurora 24,000 BTU 21 SEER2 Low Ambient Ductless Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before using the unit and retain it for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always ensure the unit is properly grounded.
- Do not attempt to repair or modify the unit yourself. Contact a qualified service technician.
- Keep children and pets away from the outdoor unit.
- Ensure proper ventilation around both indoor and outdoor units.
- Turn off the power supply before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Daikin RXT24AVJU9 24,000 BTU Aurora R-32 Series Low Ambient Heat Pump Air Conditioner Condenser
- FTXV24AVJU9 24,000 BTU Wall-Mounted Indoor Unit
- Remote Control
- Maxwell 15 ft Installation Kit (includes communication cable, copper lines, wall filler putty, decorative wall cap, wall sleeve cylinder, outdoor unit wall bracket, non-adhesive decorative wrapping tape, 6 ft. flexible condensate drain hose)
- Outdoor Wall Mounting Bracket



Figure 3.1: Overview of the Daikin Aurora Mini Split system and its included components, including the indoor unit, outdoor condenser, remote control, and the Maxwell 15 ft installation kit.

ALL-INCLUSIVE INSTALLATION KITS

Everything you need for an easy setup



INSTALLATION KITS INCLUDED ITEMS:

- 16' 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

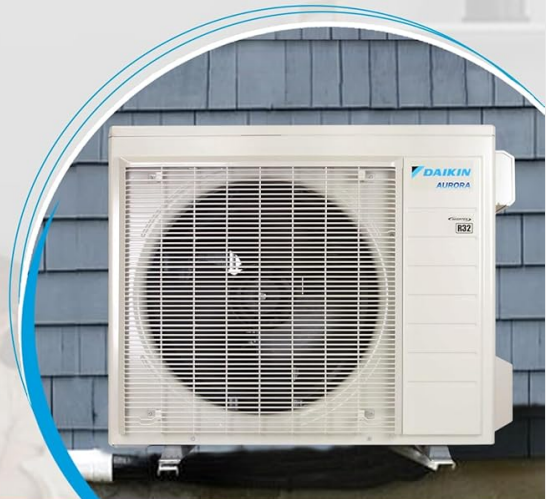


Figure 3.2: Detailed view of the Maxwell All-Inclusive Installation Kit, showing the copper lines, interconnecting cable, wall filler putty, decorative wall cap, wall sleeve cylinder, outdoor unit wall bracket, wrapping tape, and condensate drain hose.

4. SETUP AND INSTALLATION

The Daikin Aurora Mini Split system requires professional installation by a certified technician to ensure proper function, safety, and warranty validity. The Maxwell 15 ft installation kit and outdoor wall bracket are provided to facilitate this process.

Key Installation Considerations:

- Location:** Select appropriate locations for both the indoor and outdoor units, ensuring adequate airflow and clearance.
- Mounting:** Securely mount the indoor unit to a wall and the outdoor condenser using the provided wall bracket.
- Refrigerant Lines:** Connect the pre-charged R32 refrigerant lines between the indoor and outdoor units. The system is pre-charged for up to 49 ft of line length.
- Electrical Connections:** Connect the power supply (1Ph, 60 Hz, 208-230V) and communication cable according to local electrical codes and the wiring diagram.
- Drainage:** Ensure the condensate drain hose is properly installed to allow for efficient water removal.

Improper installation can lead to reduced performance, system damage, and void the manufacturer's warranty.

5. OPERATING INSTRUCTIONS

The Daikin Aurora system offers various modes and features for optimal comfort control.

5.1 Remote Control Operation

The included remote control allows direct access to all functions. Point the remote control towards the indoor unit's signal receiver.

5.2 Wi-Fi and Daikin One Home App

The system features built-in Wi-Fi for remote control via the Daikin One Home app. Download the app from your device's app store and follow the in-app instructions for pairing your unit. Voice commands are also supported through Alexa and Google Home.

5.3 Operating Modes

- **Auto Mode:** Automatically selects cooling or heating based on the room temperature and desired setting.
- **Cool Mode:** Provides cooling operation.
- **Heat Mode:** Provides heating operation.
- **Dry Mode (Program Dry):** Reduces humidity in the room.
- **Fan Only Mode:** Circulates air without heating or cooling.

5.4 Special Features

- **Adjustable Airflow Rate and Direction:** Control the fan speed and louver position for customized air distribution.
- **Comfort Mode:** Optimizes airflow to prevent direct drafts on occupants.
- **Powerful Operation Mode:** Provides rapid cooling or heating for quick temperature adjustments.
- **ECO+ Mode:** Energy-saving mode that minimizes power consumption.
- **Hot Start:** Prevents cold drafts during heating operation by delaying fan activation until the coil is warm.
- **Sleep Mode:** Adjusts temperature settings gradually for comfortable sleep and energy savings.
- **Timer Settings:** Program the unit to turn on or off at specific times.
- **Self-Diagnostics with Digital Display:** Provides error codes for easier troubleshooting.

FTXV SERIES WALL MOUNT FAN COIL SYSTEM

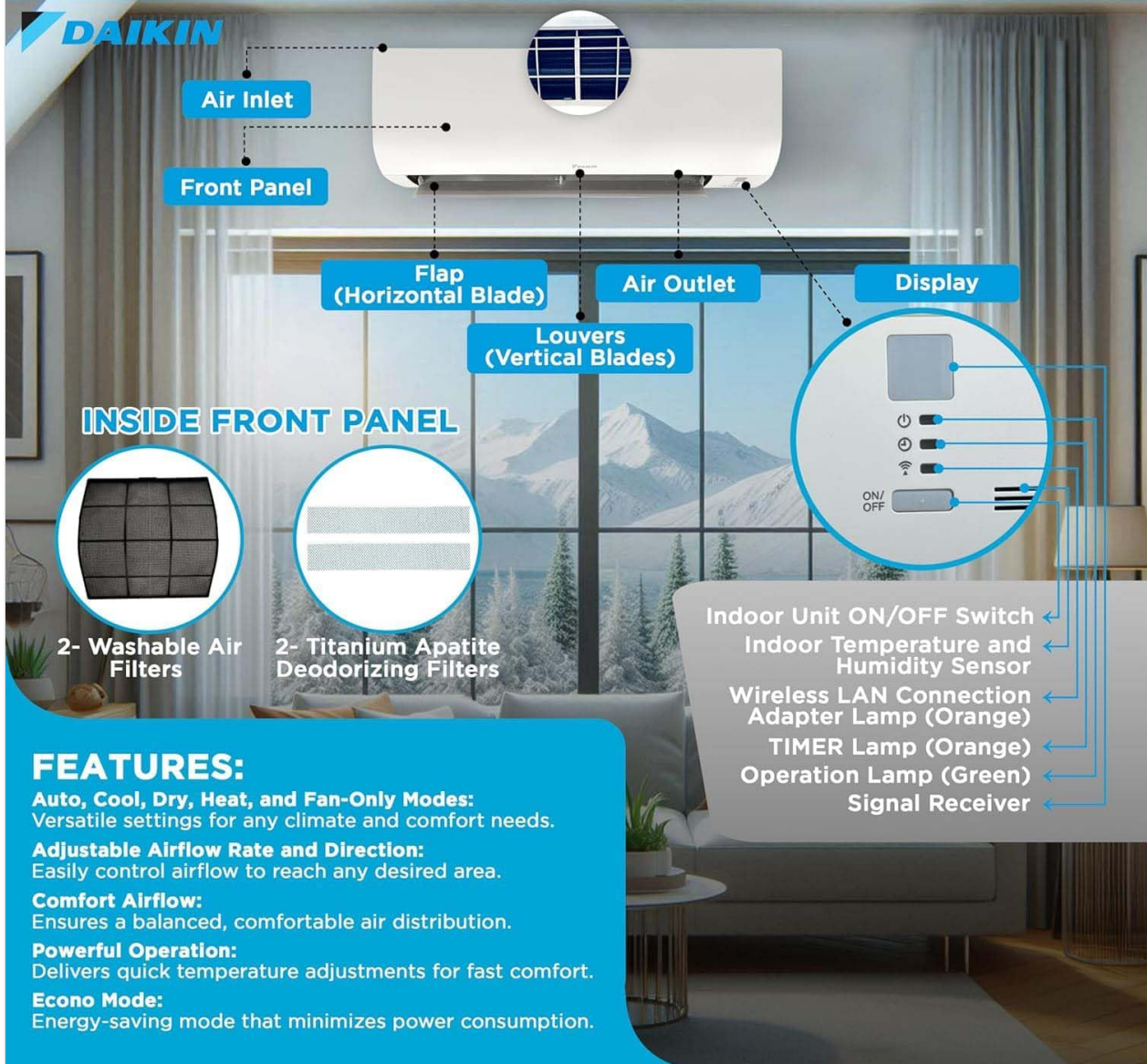


Figure 5.1: Diagram of the FTXV Series wall-mounted indoor unit, highlighting components like the air inlet, front panel, flap, louvers, air outlet, display, and internal filters. Key features and control elements are also indicated.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Daikin Aurora system.

6.1 Air Filter Cleaning

The indoor unit is equipped with 2-Washable Air Filters and 2-Titanium Apatite Deodorizing Filters. Clean the washable filters regularly (e.g., every two weeks or as needed) by rinsing them with water. The Titanium Apatite filters should be cleaned and replaced according to the manufacturer's recommendations in the full product manual.

6.2 Outdoor Unit Maintenance

Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow. The heat exchanger features a Blue Fin anti-corrosion treatment for enhanced durability.

6.3 Professional Servicing

It is recommended to have the system inspected and serviced by a qualified HVAC technician annually to check refrigerant levels, electrical connections, and overall system health.

7. TROUBLESHOOTING

If you encounter issues with your unit, refer to the self-diagnostics display for error codes. Common issues and basic troubleshooting steps are provided below. For complex problems, contact a certified technician.

- **Unit Not Turning On:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Verify temperature settings, clean air filters, ensure no obstructions to airflow, and check if doors/windows are closed.
- **Unusual Noises:** Minor operational noises are normal. Excessive or unusual noises may indicate a problem requiring professional inspection.
- **Water Leakage:** Check the condensate drain hose for blockages or improper installation.

8. SPECIFICATIONS

Specification	Value
Brand	DAIKIN
Model Info	RXT24AVJU9+FTXV24AVJU9
Capacity	24,000 BTU (2 Tons)
Cooling Capacity (Min-Max)	7,000 BTU - 26,400 BTU
Heating Capacity (Min-Max)	6,200 BTU - 32,000 BTU
SEER2 Rating	21
HSPF2 Rating	9.6
EER2 Rating	12
COP	1.8
Refrigerant Type	R-32
Power Supply	1Ph, 60 Hz, 208-230V
MOP	25A
Cooling Operation Range	50°F to 114.8°F
Heating Operation Range	-13°F to 64.4°F
Noise Level (Indoor)	34 dB
Estimated Floor Area Coverage	Up to 1500 Square Feet
AHRI Certified	#215389736



ENHANCED LOW AMBIENT CAPACITY:
OPERATES IN EXTREME TEMPERATURES,
WITH FULL HEATING AT 5° F, COOLING AT
104° F, AND PERFORMANCE DOWN TO
-13° F.

**PRE-CHARGED WITH ECO-FRIENDLY
R32 REFRIGERANT** FOR UP TO 49 FT

**ENERGY EFFICIENT- VARIABLE
SPEED INVERTER COMPRESSOR**

**12-YEAR MANUFACTURER
WARRANTY**



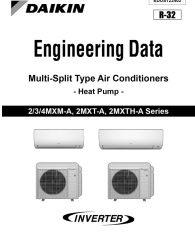


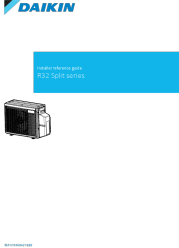
**BLUE FIN ANTI-CORROSION
TREATMENT ON HEAT EXCHANGER**

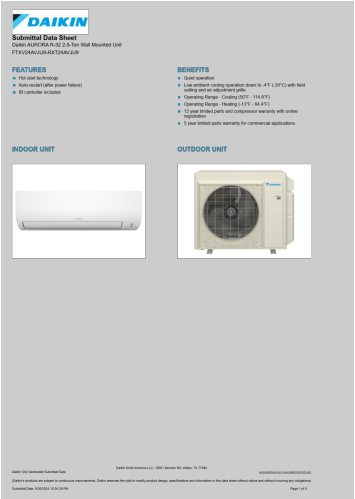
Figure 8.1: Illustration of the Daikin Aurora outdoor unit, highlighting its enhanced low ambient capacity, pre-charged R32 refrigerant, energy-efficient variable speed inverter compressor, and Blue Fin anti-corrosion treatment on the heat exchanger.

9. WARRANTY AND SUPPORT

The Daikin Aurora Mini Split system comes with a **12-YEAR MANUFACTURER WARRANTY**. This warranty is valid when the system is installed by a certified technician.

For warranty claims, technical support, or service inquiries, please contact Daikin customer service or your authorized Daikin dealer. Retain your proof of purchase and installation records for warranty purposes.

	<p>Daikin Room Air Conditioner R32 Split Series Installation Manual</p> <p>Comprehensive installation manual for Daikin R32 Split Series Room Air Conditioners, covering safety precautions, installation procedures, wiring, and testing for models RXT15AVJU9, RXT18AVJU9, and RXT24AVJU9.</p>
	<p>Daikin Serie Split R32 Installation Manual</p> <p>Comprehensive installation manual for Daikin Serie Split R32 air conditioning systems, including models RXJ20A5V1B9, RXJ25A5V1B9, and RXJ35A5V1B9. Provides detailed instructions on safety, site preparation, unit installation, refrigerant piping, electrical connections, commissioning, and maintenance. Includes technical specifications and troubleshooting guidance.</p>
	<p>Daikin Multi-Split Air Conditioner Engineering Data: 2/3/4MXM-A, 2MXT-A, 2MXTH-A Series</p> <p>Explore detailed engineering data, specifications, and installation guidelines for Daikin's Multi-Split Type Air Conditioners and Heat Pumps, covering the 2/3/4MXM-A, 2MXT-A, and 2MXTH-A series.</p>
	<p>Daikin R32 Split Series Air Conditioner Installation Manual</p> <p>Comprehensive installation guide for Daikin R32 Split series outdoor units (2MXM40A2V1B9, 2MXM50A2V1B8), covering site preparation, piping, electrical connections, charging, commissioning, and safety procedures.</p>
	<p>Daikin HVAC Systems Catalog: Single-Zone, Multi-Zone, SkyAir Products</p> <p>Explore Daikin's comprehensive range of energy-efficient HVAC solutions, including single-zone, multi-zone, and SkyAir systems. Discover advanced features, model specifications, and comfort options for residential and light commercial applications.</p>
	<p>Daikin R32 Split Series Installer Reference Guide</p> <p>Comprehensive guide for installers of Daikin R32 Split Series air conditioning systems, covering installation procedures, safety precautions, technical specifications, and troubleshooting.</p>



[pdf] Specifications Datasheet Warranty

DAIKIN RXT24AVJU9 FTXV24AVJU9 SERIES Technical Specifications Daikin 24 000 BTU 21 SEER2 AURORA Series Low Ambient Ductless Mini Spl HeatAndCool Specs hacspace sfo3 digitaloceanspaces s R 32 |||

Submittal Data Sheet Daikin AURORA R-32 2.0-Ton Wall Mounted Unit FTXV24AVJU9-RXT24AVJU9 FEATURES Hot start technology Auto-restart after power failure IR controller included INDOOR UNIT BENEFITS Quiet operation Low ambient cooling operation down to -4F -20C with field setting and air adjustmen... lang:en score:24 filesize: 389.55 K page_count: 5 document date: 2024-10-01