

DAIKIN RXT18AVJU9+FTXV18AVJU9

Daikin Aurora 18,000 BTU Mini Split Air Conditioner Heat Pump User Manual

Model: RXT18AVJU9+FTXV18AVJU9 | Brand: DAIKIN

1. INTRODUCTION AND OVERVIEW

The Daikin Aurora Series Low Ambient System is designed to provide exceptional comfort and energy efficiency. This system combines the RXT Series 18,000 BTU outdoor condenser with R32 refrigerant and the FTXV Series wall-mounted indoor unit. It achieves a 21 SEER2 energy efficiency rating and operates reliably in a wide range of temperatures, from -13°F to 114.8°F. This manual provides essential information for the proper installation, operation, and maintenance of your Daikin Aurora Mini Split Air Conditioner Heat Pump.

2. PRODUCT FEATURES

- **Enhanced Low Ambient Capacity:** Operates in cooling mode from 50°F to 114.8°F and heating mode from -13°F to 64.4°F. Delivers up to 100% heating capacity at 5°F and up to 100% cooling capacity at 104°F.
- **All-Season Comfort:** Designed for various climates and applications, including renovations, new constructions, sunrooms, basements, attics, and garages.
- **Effortless Control:** Built-in Wi-Fi for control via the Daikin One Home app or voice commands with Alexa and Google Home.
- **Advanced Air Quality:** Features a Titanium Apatite Photocatalytic Air Purifying Filter and washable air filters for improved indoor air quality.
- **Comfort Modes:** Includes Program Dry for humidity control, Hot Start to prevent cold drafts, Comfort Mode for optimized airflow, and POWERFUL Mode for rapid temperature adjustments.
- **Energy Efficiency:** 21 SEER2, 9.6 HSPF2, 12 EER2, and 1.8 COP with R-32 Refrigerant.
- **Durable Design:** Anti-corrosion treated heat exchanger for reliable durability.

3. INCLUDED COMPONENTS

The Daikin Aurora system includes the following components:

- Daikin RXT18AVJU9 18,000 BTU Aurora R-32 Series Low Ambient Heat Pump Air Conditioner Condenser
- FTXV18AVJU9 18,000 BTU wall-mounted indoor unit
- Remote control
- Maxwell 15 ft installation kit (includes insulated copper lines, interconnecting cable, wall filler putty, decorative wall cap, wall sleeve cylinder, 6 ft. flexible condensate drain hose)
- Outdoor wall mounting bracket
- Communication cable

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 3.1: Maxwell All-Inclusive Installation Kit components. This kit provides essential items for a complete setup, including insulated copper lines, electrical cabling, and aesthetic finishing pieces.

4. INSTALLATION

Installation of the Daikin Aurora Mini Split system requires specialized knowledge and tools. It is strongly recommended that the system be installed by a certified HVAC technician to ensure proper function, safety, and warranty validity. The Maxwell 15 ft installation kit provides many necessary components, but professional expertise is crucial for correct refrigerant handling, electrical connections, and system commissioning. The indoor unit is designed for wall mounting, and the outdoor condenser should be placed on the provided

wall mounting bracket or a suitable ground-level pad, ensuring adequate clearance for airflow.

5. OPERATING INSTRUCTIONS

5.1 Indoor Unit Overview

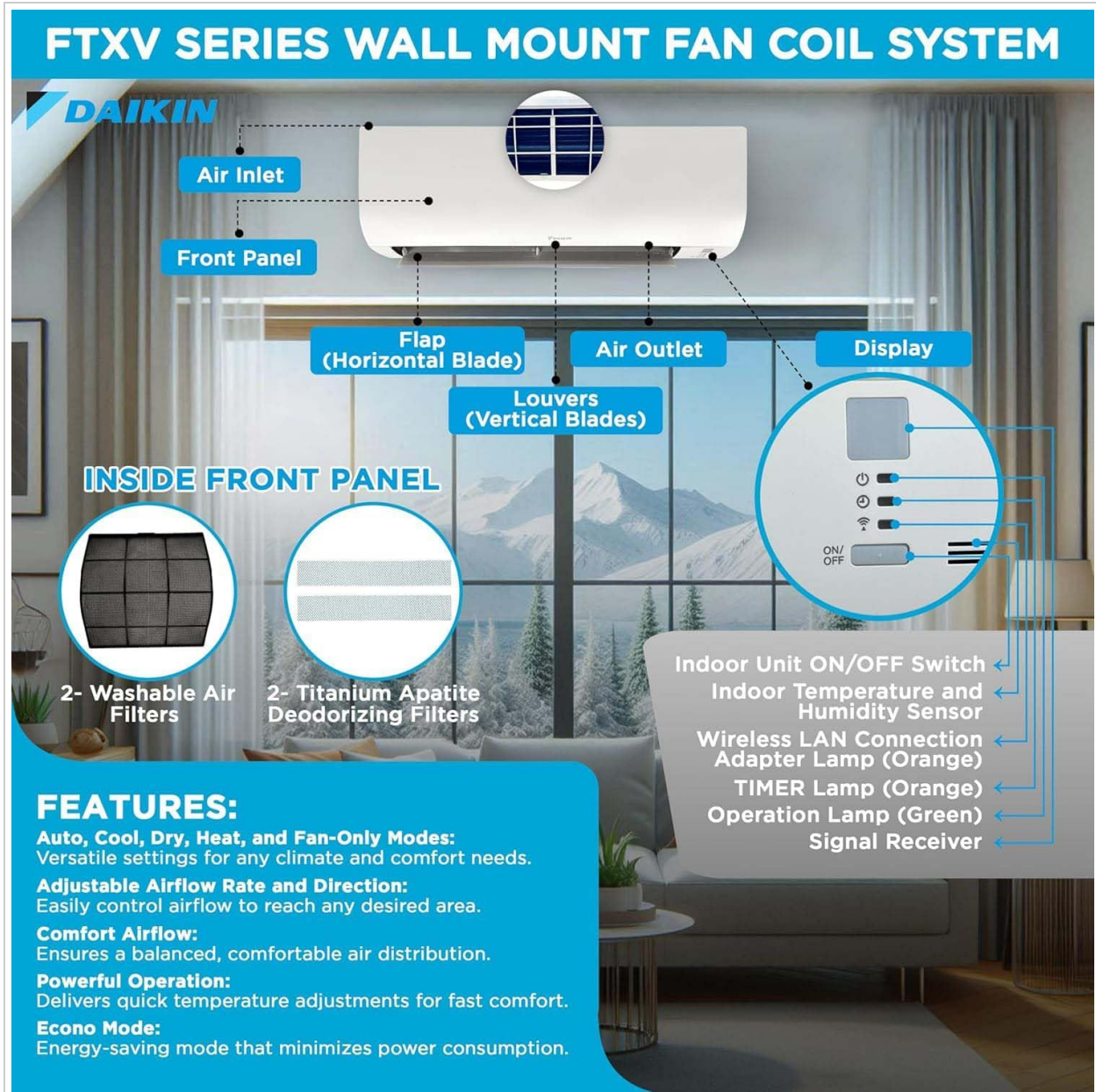


Figure 5.1: FTXV Series Wall Mount Fan Coil System. This diagram illustrates the key components of the indoor unit, including air intake, adjustable louvers, and the digital display.

5.2 Remote Control Functions

The system is controlled via the included remote control. Key functions include:

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes: Auto, Cool, Dry, Heat, and Fan Only.
- **Temperature Adjustment:** Up/Down arrows to set desired temperature.
- **Fan Speed:** Adjusts fan speed.
- **Swing:** Controls the horizontal and vertical louver movement for optimal airflow distribution.
- **ECO Mode:** Energy-saving operation.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and energy saving.

- **Display Button:** Toggles the indoor unit's digital display.
- **Timer:** Sets ON/OFF times for the unit.
- **Turbo/Powerful Mode:** Provides rapid cooling or heating.
- **Mute:** Silences remote beeps.

5.3 Wi-Fi Connectivity

The Daikin Aurora system features built-in Wi-Fi, allowing remote control and monitoring through the Daikin One Home app. It is also compatible with voice commands via Alexa and Google Home. Refer to the Daikin One Home app instructions for setup and usage.

6. MAINTENANCE

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

- **Air Filter Cleaning:** The indoor unit contains 2-Washable Air Filters and 2-Titanium Apatite Deodorizing Filters. These should be cleaned regularly (e.g., every 2 weeks or as needed) to maintain air quality and system efficiency. Refer to the indoor unit diagram (Figure 5.1) for filter locations.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser coil free of debris, leaves, and dirt. Ensure proper airflow around the unit.
- **Professional Inspection:** Annual professional inspection by a certified technician is recommended to check refrigerant levels, electrical connections, and overall system health.

7. TROUBLESHOOTING

The Daikin Aurora system includes self-diagnostics with a digital display to indicate potential issues. If an error code appears, consult the full service manual or contact a certified technician.

Common issues and basic troubleshooting:

- **Unit not turning on:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient cooling/heating:** Verify temperature settings, ensure air filters are clean, and check for any obstructions to airflow.
- **Unusual noises:** Minor operational noises are normal. Excessive or unusual noises may indicate a problem requiring professional attention.
- **Water leakage:** Check the condensate drain line for blockages. Ensure the indoor unit is properly leveled.

For complex issues, always contact a qualified service technician.

8. SPECIFICATIONS



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: Key Features and Specifications. This image summarizes the system's performance in extreme temperatures, its use of R32 refrigerant, energy efficiency, and warranty details.

Specification	Value
Brand Name	DAIKIN
Model Info	RXT18AVJU9+FTXV18AVJU9
Cooling Capacity	18,000 BTU (6,900 BTU Min – 22,000 BTU Max)
Heating Capacity	21,600 BTU (5,800 BTU Min – 28,000 BTU Max)
SEER2 Efficiency	21
HSPF2 Efficiency	9.6
EER2 Efficiency	12
COP	1.8
Refrigerant	R-32

Operating Temperature (Cooling)	50°F to 114.8°F
Operating Temperature (Heating)	-13°F to 64.4°F
Power Supply	1Ph, 60 Hz, 208-230V
MOP	15A
Noise Level	33 Decibels
Installation Type	Split System
Form Factor	Mini-Split
Material Type	Aluminum, Copper, Insulation Materials, Metal, Plastic, Steel
Approximate Floor Area Coverage	1000 Square Feet
AHRI Certified	#215389735

9. WARRANTY AND SUPPORT

The Daikin Aurora Mini Split Air Conditioner Heat Pump comes with a **12-YEAR MANUFACTURER WARRANTY** when installed by a certified technician. This warranty covers parts and compressor. Please retain your proof of purchase and installation records for warranty claims.

For technical support, service, or warranty inquiries, please contact Daikin customer service or your certified installer. Refer to the official Daikin website for the most up-to-date contact information and detailed warranty terms.