

DAIKIN 2MXM18AVJU9 + FTXV12AVJU9 + FTXV12AVJU9

Daikin 18,000 BTU (12K + 12K) 21SEER2 2-Zone Mini Split Air Conditioner Heat Pump R-32 System Instruction Manual

Models: 2MXM18AVJU9 (Outdoor Unit) + (2) FTXV12AVJU9 (Indoor Units)

Brand: DAIKIN

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Daikin 18,000 BTU 2-Zone Mini Split Air Conditioner Heat Pump R-32 System. Please read this manual thoroughly before using your new air conditioning unit and retain it for future reference.



Figure 1: Complete Daikin 2-Zone Mini Split System with outdoor condenser, two indoor units, and installation accessories.

2. IMPORTANT SAFETY INFORMATION

WARNING: Installation and servicing of this equipment must be performed by qualified, experienced technicians. Improper installation or servicing can result in property damage, personal injury, or death. This system uses R-32 refrigerant, which requires specific handling procedures. Always consult local codes and regulations.

- Ensure the power supply is disconnected before any installation or maintenance.
- Wear appropriate personal protective equipment (PPE) during installation and servicing.
- Do not attempt to repair or modify the unit yourself. Contact a qualified service technician.
- Keep children and pets away from the outdoor unit during operation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon receipt:

- 1x 2MXM-A Series Multi-Split 18,000 BTU Heat Pump Air Conditioner Outdoor Condenser

- 1x Maxwell Wall Mounting Bracket (for outdoor unit)
- 2x FTXV Series Indoor Fan Coils with Remote Control
- 2x Maxwell 15 ft Pre-Flared Installation Kits with Interconnecting Cables (for each indoor unit)

4. TECHNICAL SPECIFICATIONS



Figure 2: System dimensions and key specifications for the Daikin 2-Zone Mini Split.

Feature	Specification
Brand	DAIKIN
Model Info	2MXM18AVJU9 + FTXV12AVJU9 + FTXV12AVJU9
Efficiency (SEER2)	21
Capacity	1.5 Tons (18,000 BTU)

Feature	Specification
Noise Level	24 Decibels (Indoor)
Refrigerant	R-32
Cooling Capacity	17,200 BTU (5,700 BTU Min – 21,000 BTU Max)
Heating Capacity	18,500 BTU (2,900 BTU Min – 25,000 BTU Max)
Operating Cooling Range	14°F to 115°F
Operating Heating Range	5°F to 59.9°F
Power Supply	1Ph, 60 Hz, 208-230V
AHRI Certified	#214837757
Special Features	Inverter Compressor, Multi-Zone Comfort, Automatic Defrosting, Silent Mode, 4 Way Swing, Titanium Photocatalytic Air Purifying Filter, Econo Mode, Remote Controlled, Wireless LAN connection, Self-diagnosis

5. INSTALLATION GUIDE

Installation of this Daikin Mini Split system requires specialized knowledge and tools. It is strongly recommended that installation be performed by an HVAC-certified technician to ensure proper function, safety, and warranty validity.

5.1 General Installation Steps (Professional Installation Recommended)

The following video provides a general overview of mini-split installation steps. Please note that specific details may vary for your Daikin model. Always refer to the detailed instructions provided in your physical owner's manual and consult with a certified installer.

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Video 1: General Mini Split Installation Guide. This video demonstrates common steps for installing a mini split unit. Specific procedures for your Daikin model may differ. Professional installation is highly recommended.

5.2 Key Installation Components

- **Indoor Unit Mounting:** Securely attach the indoor unit mounting plate to the wall using appropriate fasteners. Ensure it is level.
- **Outdoor Unit Placement:** Position the outdoor condenser on a stable, level surface or a dedicated wall mounting bracket. Ensure adequate clearance for airflow.
- **Line Set Connection:** Connect the pre-flared copper line sets between the indoor and outdoor units.

Ensure all connections are tight and leak-free.

- **Electrical Wiring:** Connect the electrical wiring according to the wiring diagram in your manual. This typically involves connecting power, ground, and communication wires.
- **Vacuuming the Line Set:** A vacuum pump must be used to remove all air and moisture from the refrigerant lines before releasing refrigerant. This is a critical step for system performance and longevity.
- **Refrigerant Release:** Carefully open the service valves on the outdoor unit to release the R-32 refrigerant into the system.



2MXM18AVJU9: CONNECTS UP TO 2 INDOOR FAN COILS INDIVIDUALLY CONTROLLED FOR OPTIMAL COMFORT

PRE-CHARGED WITH ECO-FRIENDLY R32 REFRIGERANT FOR UP TO 131- 1/4 FT

ENERGY EFFICIENT- VARIABLE SPEED INVERTER COMPRESSOR

12-YEAR MANUFACTURER WARRANTY

BLUE FIN ANTI-CORROSION TREATMENT ON HEAT EXCHANGER

Figure 3: The Daikin outdoor condenser unit features Blue Fin anti-corrosion treatment on the heat exchanger for enhanced durability.

6. OPERATING INSTRUCTIONS

Your Daikin Mini Split system offers versatile control options for personalized comfort.

6.1 Remote Control Functions

Each indoor unit comes with a dedicated remote control. The remote allows you to:

- Turn the unit ON/OFF
- Adjust temperature settings

- Select operating modes (Auto, Cool, Dry, Heat, Fan Only)
- Adjust fan speed
- Control airflow direction (Swing)
- Set timers for automatic operation
- Activate special features like ECONO mode, Powerful mode, and Sleep mode

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Video 2: Demonstrating the remote control and indoor unit operation. This video shows how to use the remote control to adjust settings and highlights the quiet operation of the indoor unit.

6.2 Daikin One Home App & Voice Control

The system works exclusively with the Daikin One Home app, allowing for convenient remote control and monitoring. It also supports voice commands with Alexa and Google Home for effortless environment control.

- Download the Daikin One Home app from your device's app store.
- Follow the in-app instructions to connect your mini split system.
- Integrate with Alexa or Google Home through their respective apps for voice control.

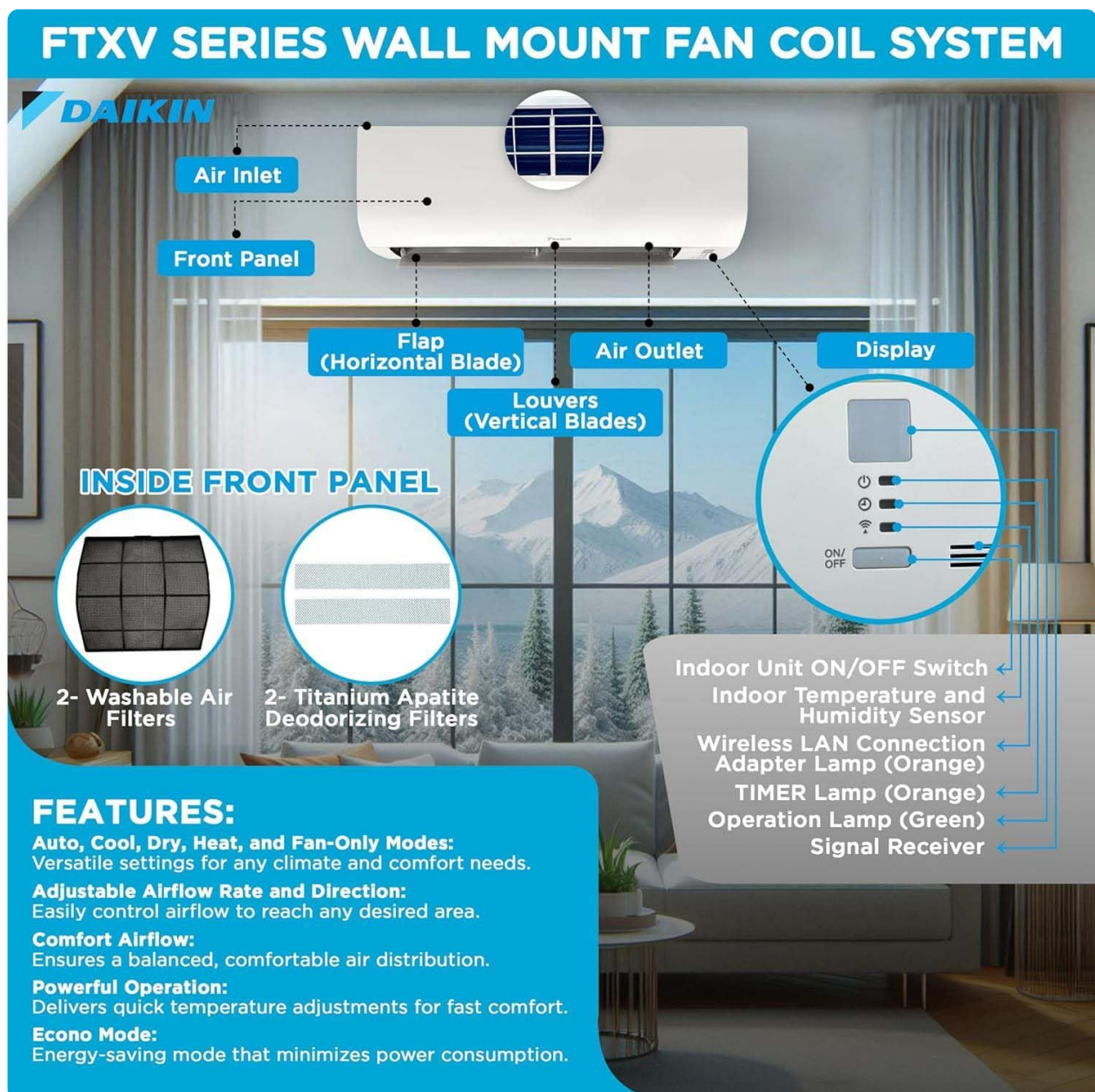


Figure 4: Diagram of the FTXV Series indoor unit, highlighting key components and features such as washable air filters and Titanium

7. MAINTENANCE

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

7.1 Air Filter Cleaning

The indoor units are equipped with 2-Washable Air Filters and 2-Titanium Apatite Deodorizing Filters. Clean these filters regularly (e.g., every 2 weeks or as needed) to maintain air quality and system efficiency.

- Turn off the unit and disconnect power.
- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the washable filters with a vacuum cleaner or wash them with water and a mild detergent. Allow them to dry completely before reinstallation.
- The Titanium Apatite Deodorizing Filters should be cleaned by vacuuming. Do not wash these filters with water.
- Reinstall the filters and close the front panel.

7.2 Outdoor Unit Maintenance

Keep the area around the outdoor unit clear of debris, leaves, and other obstructions to ensure proper airflow. Periodically clean the outdoor coil with a soft brush or vacuum cleaner. Ensure the drain pan and drain line are clear.

8. TROUBLESHOOTING

If you encounter issues with your Daikin Mini Split system, refer to the following common troubleshooting tips. For complex problems, contact a certified HVAC technician.

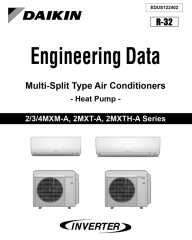
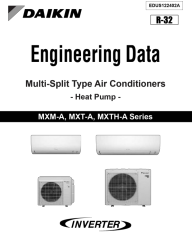



- **Unit Not Turning On:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Verify temperature settings, ensure air filters are clean, check for obstructions around indoor/outdoor units, and confirm all windows/doors are closed.
- **Unusual Noises:** Minor noises during operation are normal. If loud or unusual noises occur, contact a technician.
- **Water Leaks:** Check the indoor unit's drain line for blockages. Ensure the outdoor unit is level.
- **Error Codes:** If an error code appears on the display, consult your detailed owner's manual for specific code meanings and recommended actions.

9. WARRANTY AND SUPPORT

Your Daikin Mini Split system comes with a **12-Year Manufacturer Warranty**. To ensure warranty validity, the system must be installed by an HVAC-certified technician.

For warranty claims, technical support, or service inquiries, please refer to the contact information provided in your official warranty documentation or visit the Daikin website.

Related Documents - 2MXM18AVJU9 + FTXV12AVJU9 + FTXV12AVJU9

	<p>Daikin Multi-Split Type Air Conditioners Engineering Data - 2/3/4MXM-A, 2MXT-A, 2MXTH-A Series</p> <p>Comprehensive engineering data, installation, and operation manual for Daikin's 2/3/4MXM-A, 2MXT-A, and 2MXTH-A Series Multi-Split Type Air Conditioners and Heat Pumps. Includes technical specifications, wiring diagrams, and installation procedures.</p>
	<p>Daikin MXM-A, MXT-A, MXTH-A Series: Engineering Data and Installation Manual</p> <p>Comprehensive engineering data, specifications, and installation guide for Daikin's MXM-A, MXT-A, and MXTH-A series multi-split type heat pump air conditioning systems.</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 Multi-Split Type Air Conditioners - Heat Pump - Engineering Data for 2/3/4MXM-A, 2MXT-A, 2MXTH-A Series</p> <p>Detailed engineering data, specifications, and installation guidelines for Daikin's Multi-Split Type Air Conditioners and Heat Pumps, Series 2/3/4MXM-A, 2MXT-A, and 2MXTH-A. Includes technical details on indoor and outdoor units, wiring, piping, and operation limits.</p>
	<p>Daikin DH9VS FIT AURORA R-32 Split System Heat Pump - Specifications and Performance Data</p> <p>Detailed specifications, performance data, and features for the Daikin DH9VS FIT AURORA R-32 Split System Heat Pump, including cooling and heating capacities, sound data, and dimensions.</p>

