

DAIKIN RXC12+FTXC12+IKM1438+WAFP24

Daikin 12,000 BTU 18 SEER2 Entra R32 Series Ductless Mini Split Heat Pump System Instruction Manual

Model: RXC12+FTXC12+IKM1438+WAFP24

1. INTRODUCTION

The Daikin 18 SEER2 ENTRA R32 series single zone inverter wall-mounted systems are designed to provide energy-efficient and comfortable climate control. These heat pump systems feature streamlined indoor units paired with quietly compact outdoor units, offering an affordable and cost-saving solution for various spaces. The system is capable of both efficient cooling and heating operations, with adjustable air direction and flow rate for optimal comfort.

2. WHAT'S INCLUDED

Your Daikin Mini Split Heat Pump System includes the following components:

- Entra 12,000 BTU Wall Mount Indoor Fan Coil (FTXC12AXVJU)
- Smart DC Inverter Condenser Pre-charged with R-32 Refrigerant (RXC12AXVJU)
- Remote Control
- 15 Ft 1/4 x 3/8 - Maxwell Refrigerant Line with Interconnecting Cables Installation Kit
- Maxwell Wall Mounting Bracket



Figure 2.1: Overview of the Daikin Mini Split System components, including indoor unit, outdoor unit, remote, and installation kit.



Figure 2.2: Visual representation of the included items: Wall Mount Indoor Unit, Pre-Flared Installation Kit, 16' Communication Cable, Remote Control, Outdoor Unit Wall Bracket, and Outdoor Unit.

Connect Your Daikin System with the DKN Cloud Wi-Fi Adaptor (NOT INCLUDED)

The DKN Cloud Wi-Fi Adaptor allows you to control your Daikin indoor units remotely using the DKN App. You can turn units ON/OFF, adjust settings, control fan speed, monitor room temperature, and receive error alerts, all from your smartphone.



Use the DKN app for easy setup.

Note: The Wi-Fi adaptor is required for Wi-Fi remote functionality and is sold separately.

Figure 2.3: Detailed view of the Maxwell All-Inclusive Installation Kit, including 16' 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. SETUP AND INSTALLATION

Daikin ENTRA single-zone inverter wall-mounted units are designed for straightforward installation. However, professional installation is recommended to ensure proper function and warranty compliance. The system includes a Maxwell All-Inclusive Installation Kit.

3.1 Key Installation Considerations

- **Electrical Requirements:** The system operates on 230V. Ensure appropriate electrical wiring and circuit breakers are in place.
- **Refrigerant:** The Smart DC Inverter Condenser is pre-charged with R-32 Refrigerant.
- **Line Set:** A 15 Ft 1/4 x 3/8 Maxwell Refrigerant Line with Interconnecting Cables is included.

- **Mounting:** A Maxwell Wall Mounting Bracket is provided for the outdoor unit.

3.2 Installation Video Guide

For a visual guide on installing a mini split unit, please refer to the video below. While this video features a DELLA unit, the general installation steps for ductless mini split systems are similar.

Video 3.1: General installation guide for a mini split unit. This video demonstrates the process of mounting, connecting linesets, and electrical wiring. Please consult the specific Daikin manual for detailed instructions.

4. OPERATING INSTRUCTIONS

The Daikin Entra series offers various features for enhanced comfort and efficiency. The system is controlled via a remote control.

4.1 Key Operating Features

- **Powerful Operation:** Provides a boost in cooling or heating power for a 20-minute period.
- **ECO+:** An intelligent feature that adjusts temperature automatically for optimum energy consumption.
- **Dry Mode:** For dehumidification.
- **Fan Mode:** Circulates air without heating or cooling.
- **Auto Mode:** Automatically selects heating or cooling based on room temperature.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and energy saving.
- **Cold Draft Prevention:** Prevents cold air from blowing directly during heating operation.
- **Self-Diagnostics with Digital Display:** Provides error codes for easy troubleshooting.
- **Customizable Air Direction and Flow:** Adjust the louvers to direct airflow as desired.



Figure 4.1: The remote control for the Daikin Mini Split system, showing various buttons for mode selection, temperature adjustment, fan speed, and special features like Powerful, Quiet, ECO+, and Sleep modes.

4.2 Wi-Fi Connectivity (Optional)

The Daikin system can be connected with the DKN Cloud Wi-Fi Adaptor (NOT INCLUDED). This adaptor allows you to control your Daikin indoor units remotely using the DKN App from your smartphone. You can turn units ON/OFF, adjust settings, control fan speed, monitor room temperature, and receive error alerts.



Figure 4.2: Illustration of controlling the Daikin system via the DKN app on a tablet. Note: The Wi-Fi adapter is required for Wi-Fi remote functionality and is sold separately.

5. MAINTENANCE

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

- **Filter Cleaning:** The system includes a Titanium Apatite Photocatalytic Air Purifying Filter. Refer to your detailed user manual for instructions on how to clean or replace this filter. Regular cleaning is crucial for maintaining air quality and system efficiency.
- **Blue Fin Protection:** The hydrophilic coated fin ensures condensate water moves easily to the drain pan, enhancing cleanliness and lifespan of the cooling coil.
- **Outdoor Unit:** Keep the outdoor condenser unit clear of debris, leaves, and other obstructions to ensure proper airflow.

6. TROUBLESHOOTING

If you encounter issues with your Daikin Mini Split system, consider the following general troubleshooting steps:

- **No Power:** Check the circuit breaker for the unit. Ensure the outdoor disconnect switch is in the ON position.
- **Not Cooling/Heating Effectively:** Verify the temperature setting on the remote control. Ensure air filters are clean and not obstructed. Check for any obstructions around the outdoor unit.
- **Unusual Noises:** While the unit is designed to be quiet (31 Decibels indoor), unusual or loud noises may indicate an issue. Consult a qualified technician.
- **Error Codes:** The system features Self-Diagnostics with a Digital Display. If an error code appears, refer to your comprehensive user manual for specific meanings and recommended actions.
- **Wi-Fi Connectivity Issues:** If using the optional DKN Cloud Wi-Fi Adaptor, ensure your home Wi-Fi network is functioning correctly and the adaptor is properly configured.

For complex issues, it is always recommended to contact a qualified HVAC professional.

7. SPECIFICATIONS

Feature	Specification
Brand	DAIKIN
Model Info	RXC12+FTXC12+IKM1438+WAFP24
Cooling Power	12,000 BTU (Min 4,400 BTU - Max 13,300 BTU)
Heating Capacity	11,300 BTU (Min 4,400 BTU - Max 16,400 BTU)
Energy Efficiency (SEER2)	18
Heating Seasonal Performance Factor (HSPF2)	9
Energy Efficiency Ratio (EER2)	8.5
Coefficient of Performance (COP)	3.30
Coverage Area	Up to 550 sq. ft.
Voltage	230 Volts
Indoor Unit Dimensions (H x W x D)	11.33 x 30.31 x 9.69 inches

Feature	Specification
Outdoor Unit Dimensions (H x W x D)	21.68 x 26.50 x 11.18 inches
Item Weight	109.8 pounds
Noise Level	31 Decibels (Indoor)
Refrigerant Type	R-32
Special Features	Dry Mode, Fan Mode, Auto Mode, ECO+, Powerful Operation, Self-Diagnostics with Digital Display, Sleep Mode, Cold Draft Prevention, Blue Fin Protection, Titanium Apatite Photocatalytic Air Purifying Filter



PRE-CHARGED WITH ECO-FRIENDLY R32 REFRIGERANT FOR UP TO 32.8 FT

ENERGY EFFICIENT- VARIABLE SPEED INVERTER COMPRESSOR

10-YEAR MANUFACTURER WARRANTY

BLUE FIN ANTI-CORROSION TREATMENT ON HEAT EXCHANGER

Figure 7.1: Visual representation of key features including Powerful Operation, Blue Fin Protection, ECO+, and Titanium Apatite Photocatalytic Air Purifying Filter.

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

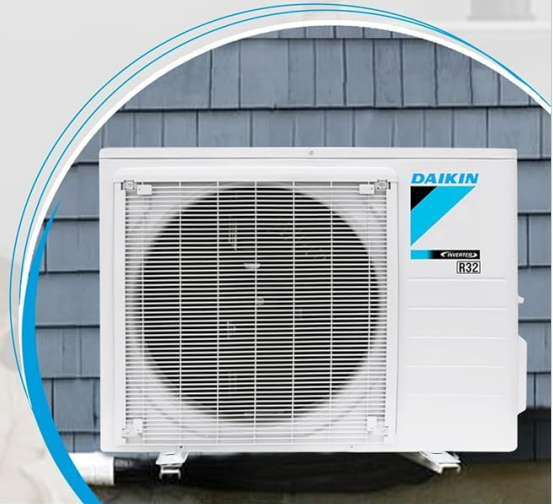
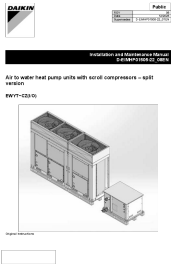






Figure 7.2: Detailed diagram showing the dimensions of both the indoor and outdoor units, along with a table of key specifications for the Daikin Entra Series 12,000 BTU - R32.

8. WARRANTY AND SUPPORT

The Daikin 12,000 BTU 18 SEER2 Entra R32 Series Ductless Mini Split Heat Pump System comes with a **10-Year Manufacturer Warranty**. For any support needs, please refer to the official Daikin website or contact their customer service. Information regarding customer support can often be found on the product packaging or the full user manual.

Related Documents - RXC12+FTXC12+IKM1438+WAFP24

	<p>Daikin R32 Split -sarja Käyttöohjeet</p> <p>Käyttöohje Daikin R32 Split -sarjan ilmalämpöpumpuille, mallit FTXTM30M2V1B ja FTXTM40M2V1B. Sisältää tietoa toiminnoista, käytöstä, huollosta ja turvallisuudesta.</p>
	<p>Daikin EWYT-CZ(I/O) Air-to-Water Heat Pump Installation and Maintenance Manual</p> <p>Comprehensive installation and maintenance manual for Daikin EWYT-CZ(I/O) series air-to-water heat pump units with scroll compressors. Covers safety, installation, operation, and maintenance procedures for professional use.</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>Referenčná príručka inštalatéra Daikin Série Split R32</p> <p>Komplexná inštalačná príručka pre vonkajšie jednotky Daikin Série Split R32. Obsahuje bezpečnostné pokyny, postupy inštalácie, technické údaje a riešenie problémov pre profesionálnych inštalatérov.</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 R32 Split -sarja Käyttöohjeet FTXTM30M2V1B FTXTM40M2V1B</p> <p>Käyttöohjeet Daikin R32 Split -sarjan ilmastointilaitteille, mallit FTXTM30M2V1B ja FTXTM40M2V1B. Opi käyttämään laitteen toimintoja, kuten Älykäs Silmä, Viikkoajastin ja Eko-tila energiansäästöön ja mukavuuteen.</p>