

DAIKIN FTXC18AXVJU

Daikin 18,000 BTU 18 SEER2 Ductless Mini-Split Wall Mount Heat Pump Air Conditioner - R32 Instruction Manual

Brand: DAIKIN | Model: FTXC18AXVJU

PRODUCT OVERVIEW

The Daikin 18 SEER2 ENTRA R32 series single zone inverter wall-mounted system offers energy-efficient and comfortable climate control. This heat pump system features a streamlined, wall-mounted indoor unit paired with a compact outdoor unit. It provides efficient cooling and heating operation with reduced operating costs compared to conventional systems. The unit is designed for easy installation and blends with various home decors, ideal for single room enhancements or additions.

WHAT'S INCLUDED



Image: Overview of the Daikin Mini-Split system components, including indoor unit, remote, outdoor unit, and installation kit items.

- Entra 18,000 Btu Wall Mount Indoor Fan Coil
- Smart DC Inverter Condenser Pre-charged with R-32 Refrigerant
- Remote Control
- 15 Ft 1/4 x 1/2 - Maxwell Refrigerant Line with Interconnecting Cables Installation Kit
- Maxwell Wall Mounting Bracket
- 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
- Non-Adhesive Decorative Wrapping Tape
- 6 Ft. Long Flexible Condensate Drain Hose
- 1/2-inch x 6 ft Liquid-tight Flexible Electrical Whip with 3- #10 AWG Wires
- 30 A Fusible Disconnect Switch

KEY FEATURES



DAIKIN

Powerful Operation
– Pushing the **POWERFUL** button on the remote control gives you a boost in cooling or heating power for a 20-minute period, even if the unit is already operating at high capacity.

Blue Fin Protection
– The hydrophilic coated fin ensures the condensate water moves easily to the drain pan – thus enhancing the cleanliness & lifespan of the cooling coil.

ECO+
– An intelligent feature that ensures optimum energy consumption while fulfilling basic human comfort needs. Once activated, set temperature will be adjusted automatically to an optimum energy consumption level.

Titanium Apatite Photocatalytic Air Purifying Filter
– This filter combines the air-purifying filter and titanium apatite photocatalytic deodorizing filter in a single highly effective unit.

Multi-monitor lamp
The lamp color changes according to the mode of operation.

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

- **Exceptional Efficiency:** Provides 18,100 BTUs of cooling power (Min 6,900 BTU - Max 20,000 BTU) and 18,000 BTUs of heating capacity (Min 5,800 BTU - Max 22,500 BTU). Achieves a high 18 SEER2 energy efficiency rating, 9 HSPF2, 10.5 EER2, and 3.30 COP, ensuring efficient year-round climate control thanks to DC Inverter technology. Covers an area of up to 1,000 sq. ft.
- **All-Season Comfort:** Operates effectively within a broad temperature range, providing efficient cooling from 50°F to 115°F and reliable heating from 5°F to 65°F.
- **Advanced Air Quality:** Features Blue Fin Protection for enhanced coil cleanliness and lifespan, and a Titanium Apatite Photocatalytic Air Purifying Filter for improved indoor air quality.
- **Smart Operation Modes:** Includes Powerful Operation for a rapid boost in cooling/heating, ECO+ for energy efficiency, Dry Mode, Fan Mode, Auto Mode, and Sleep Mode.
- **Self-Diagnostics:** Equipped with Self-Diagnostics and a Digital Display for easy monitoring.

SETUP AND INSTALLATION

Daikin ENTRA wall-mounted units are designed for straightforward installation. The system includes pre-flared refrigerant lines and interconnecting cables to simplify the process. Ensure all electrical connections are made by a qualified professional to comply with local codes and safety standards.

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



REQUIRED ELECTRICAL COMPONENTS INCLUDED:

- 1/2-inch x 6 ft Liquid-tight Flexible Electrical Whip with 3- #10 AWG Wires
- 30 A Fusible Disconnect Switch

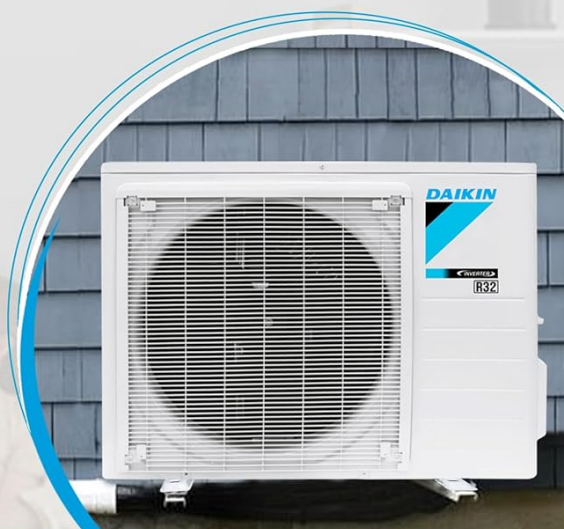


Image: Detailed view of the Maxwell installation kit, showing copper lines, electrical cable, wall accessories, and electrical components.

Installation Steps Overview:

- Mounting Plate Installation:** Securely attach the indoor unit mounting plate to the wall, ensuring it is level and positioned correctly according to the provided template.
- Drill Wall Hole:** Drill a hole through the wall for the refrigerant lines, drain hose, and interconnecting cables.
- Refrigerant Line Connection:** Connect the pre-flared refrigerant lines between the indoor and outdoor units. Ensure connections are tight and leak-free.
- Drain Hose Connection:** Connect the flexible condensate drain hose to the indoor unit and route it to an appropriate drainage point.

5. **Electrical Wiring:** Connect the interconnecting cables between the indoor and outdoor units. A qualified electrician should handle the connection of the electrical whip and disconnect switch to the main power supply.
6. **Vacuum and Refrigerant Release:** Evacuate the air from the refrigerant lines using a vacuum pump. Once evacuated, release the pre-charged R-32 refrigerant from the outdoor unit into the system.
7. **Final Assembly:** Secure the indoor unit to the mounting plate and close all covers.

Installation Video:

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Video: This video demonstrates the installation process for a similar mini-split unit, covering steps from mounting the plate to connecting piping and wiring. It highlights features for easy installation and maintenance.

OPERATING INSTRUCTIONS

The Daikin Mini-Split system offers various modes and features for optimal comfort and energy efficiency, controlled via the included remote.

Basic Operation:

- **Power On/Off:** Use the ON/OFF button on the remote to start or stop the unit.
- **Mode Selection:** Press the MODE button to cycle through available modes: Auto, Cool, Dry, Fan, and Heat.
- **Temperature Adjustment:** Use the UP/DOWN arrows to set your desired temperature.
- **Fan Speed:** Adjust the fan speed using the FAN button to control airflow.

Advanced Features:

- **Powerful Operation:** Activate this mode for a rapid boost in cooling or heating for a 20-minute period.
- **ECO+ Mode:** Engages intelligent energy-saving operation, automatically adjusting settings to meet basic human comfort needs while optimizing energy consumption.
- **Air Direction (Swing):** Use the SWING function to adjust the vertical airflow direction for even distribution or to avoid direct drafts.
- **Sleep Mode:** Optimizes temperature settings during sleep for comfort and energy saving.
- **Timer Function:** Program the unit to turn on or off at specific times.



Image: Daikin indoor unit with a visual representation of connecting to a DKN Cloud Wi-Fi Adaptor (not included) for remote control via smartphone app.

For remote control via smartphone, a DKN Cloud Wi-Fi Adaptor (not included) is required. This adaptor allows you to turn units ON/OFF, adjust settings, control fan speed, monitor room temperature, and receive error alerts using the DKN App.

MAINTENANCE

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

- **Air Filter Cleaning:** Clean the air filters regularly (e.g., monthly or bi-monthly, depending on usage and air quality) to maintain airflow and efficiency. Refer to the unit's manual for specific instructions on how to access and clean the filters.
- **Outdoor Unit Cleaning:** Keep the outdoor unit free from debris, leaves, and other obstructions to ensure proper airflow and heat exchange.
- **Coil Cleaning:** The unit features Blue Fin Protection, which helps maintain coil cleanliness. However, periodic professional coil cleaning may be beneficial.

- **Titanium Apatite Photocatalytic Air Purifying Filter:** This filter should be cleaned and replaced according to the manufacturer's recommendations to ensure effective air purification.

TROUBLESHOOTING

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

- **Unit Not Turning On:** Check the power supply and ensure the disconnect switch is in the ON position. Verify the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Ensure air filters are clean and not obstructed. Check that the desired temperature setting is appropriate for the current mode. Verify no obstructions around the outdoor unit.
- **Unusual Noises:** Minor noises during operation are normal. If loud or unusual noises occur, inspect for loose parts or contact customer support.
- **Water Leakage:** Check the drain hose for kinks or blockages. Ensure the indoor unit is properly leveled.
- **Error Codes:** The unit's digital display may show error codes. Refer to the full user manual for a list of codes and their corresponding solutions.

For persistent issues, contact a qualified HVAC technician or Daikin customer support.

SPECIFICATIONS



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

Image: Diagram showing the dimensions and key specifications of the Daikin ENTRA Series 18,000 BTU - R32 Mini-Split System.

Specification	Detail
Brand Name	DAIKIN
Model Info	FTXC18AXVJU
Item Model Number	FTXC18AXVJU
Cooling Power	18,100 British Thermal Units (Min 6,900 BTU - Max 20,000 BTU)
Heating Capacity	18,000 British Thermal Units (Min 5,800 BTU - Max 22,500 BTU)
SEER2 Rating	18
HSPF2 Rating	9

EER2 Rating	10.5
COP	3.30
Coverage Area	Up to 1,000 sq. ft.
Operating Temperature (Cooling)	50°F to 115°F
Operating Temperature (Heating)	5°F to 65°F
Refrigerant Type	R-32
Voltage	230 Volts
Noise Level	43 Decibels
Indoor Unit Dimensions (H*W*D)	11.69 x 39.56 x 11.03 inches
Outdoor Unit Dimensions (H*W*D)	27.40 x 36.62 x 13.81 inches
Item Weight	128 pounds

WARRANTY AND SUPPORT

The Daikin 18 SEER2 ENTR A R32 series system comes with a **10-Year Manufacturer Warranty**. For any product support, technical assistance, or warranty claims, please refer to the contact information provided in your product packaging or visit the official DAIKIN website.

For additional support, you may contact the seller, Heatandcool, or Amazon customer support for 30-day easy returns and customer service.