



[Manuals.plus](#) /

> [TOSOT](#) /

> TOSOT 24,000 BTU Mini-Split Air Conditioner and Heating System, 19 SEER2 Wifi-Enabled Ductless Inverter AC Unit with 16ft Copper Line Set, Voice Controlled, 208-230V, Cosmo Series WiFi - 24,000 BTU 230V (R 32)

TOSOT GWH24ATEXF-D6DNA1FO

TOSOT Cosmo Series WiFi Mini-Split Air Conditioner and Heating System

INSTRUCTION MANUAL

Brand: TOSOT | Model: GWH24ATEXF-D6DNA1FO

1. Product Overview

The TOSOT Cosmo Series WiFi Mini-Split Air Conditioner and Heating System provides efficient and quiet climate control for your living space. This ductless inverter AC unit offers both cooling and heating functionalities, enhanced by smart control features for convenient operation.



Figure 1: Complete TOSOT Cosmo Series Mini-Split System components. This image displays the indoor unit, outdoor condenser unit, copper line set, remote control, and a smartphone illustrating the Gree+ app interface.

Key Features:

- **Smart Cooling:** Control your unit remotely using the Gree+ app and integrate with voice control systems for hands-free adjustments.
- **High Efficiency:** With a SEER2 rating of up to 22, the Cosmo series is designed to reduce energy consumption and operating costs.
- **Advanced Inverter Compressor:** Ensures stable temperatures, quiet operation, and energy savings. Capable of cooling in temperatures up to 122°F and heating as low as -13°F.
- **Quiet Operation:** Operates at noise levels between 22dB and 36dB, suitable for various environments including bedrooms and offices.
- **Durable Packaging:** Units are shipped in robust packaging to ensure safe delivery. Note that components may arrive in multiple packages at different times.

2. Safety Information

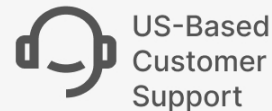
Please read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this appliance. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded power supply with the correct voltage (208-230V). Do not use extension cords. All electrical work must be performed by a qualified electrician.
- **Refrigerant Handling:** This unit contains R32 refrigerant. Installation and servicing of refrigerant lines must be performed by certified HVAC technicians to prevent refrigerant leaks and ensure proper system performance.
- **Installation:** Install the unit on a stable, level surface capable of supporting its weight. Ensure adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance. Do not allow them to play with the remote control.
- **Maintenance:** Always disconnect power to the unit before performing any cleaning or maintenance. Do not attempt to repair the unit yourself; contact qualified service personnel.
- **Ventilation:** Do not block the air intake or exhaust vents of either unit.

3. Product Components

The TOSOT Cosmo Series Mini-Split system includes the following main components and accessories:

FROM QUALITY TO SERVICE, WE'VE GOT YOU COVERED



NOTE

Every unit set may be shipped in multiple packages or on pallets, possibly at different times.

Figure 2: Detailed view of included components for both indoor and outdoor units. This diagram labels various parts such as drywall anchors, flare nuts, remote control, user manual, mounting plate, electrical cable, wall cuff, drain joint, tape, sealing gum, drain hose, and refrigerant pipe.

Included Components:

- Indoor Unit
- Outdoor Unit
- 16 Ft. Copper Line Set
- Remote Control
- User Manual

- Installation Accessories (e.g., drywall anchors, mounting plate, electrical cable, drain hose)

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your mini-split system. It is highly recommended that installation, especially the connection and vacuuming of refrigerant lines, be performed by a qualified HVAC professional.

Installation Overview:

1. **Site Selection:** Choose appropriate locations for both the indoor and outdoor units, ensuring adequate space for airflow, maintenance, and drainage. Consider the required line set length.
2. **Mounting the Indoor Unit:** Secure the mounting plate to the wall, then attach the indoor unit. Ensure it is level for proper condensate drainage.
3. **Mounting the Outdoor Unit:** Place the outdoor unit on a stable, level surface or a dedicated wall bracket. Ensure it is protected from direct sunlight and heavy rain, and has sufficient clearance.
4. **Connecting Refrigerant Lines:** Connect the copper line set between the indoor and outdoor units. This step requires specialized tools (e.g., torque wrench, vacuum pump) and expertise to ensure leak-free connections and proper system vacuum.
5. **Electrical Wiring:** Connect the power supply and communication wiring according to the wiring diagram in the full installation manual. This unit requires a 208-230V electrical connection.
6. **Drainage:** Install the condensate drain hose from the indoor unit with a continuous downward slope to ensure proper water removal.



Figure 3: Product dimensions for various BTU models. This image provides specific measurements for the indoor and outdoor units, crucial for planning installation space.

Energy Efficiency Considerations:

The TOSOT Cosmo Series boasts a high Seasonal Energy Efficiency Ratio (SEER2) of 19.0, indicating significant energy savings compared to lower SEER2 units. Proper installation and regular maintenance contribute to achieving optimal efficiency.



Figure 4: SEER2 rating and potential energy savings. This graphic highlights the 19.0 SEER2 rating and indicates up to 16% energy cost savings compared to less efficient units.

5. Operating Instructions

Your TOSOT mini-split system offers various modes and control options for personalized comfort.

Operating Modes:

- **Cooling Mode:** Reduces room temperature to your desired setting. The unit can cool effectively even at outdoor temperatures up to 122°F.
- **Heating Mode:** Increases room temperature. The unit can provide heating in outdoor temperatures as low as -13°F.
- **Fan Mode:** Circulates air without heating or cooling. Multiple fan speeds are available.

- **Dehumidifying Mode:** Reduces humidity levels in the room, contributing to a fresher and cleaner living space.



Figure 5: Visual representation of the four primary operating modes: Cooling, Heating, Fan, and Dehumidifying. This image shows the airflow and capacity for each mode.

Smart Control (Wi-Fi and Voice):

The TOSOT Cosmo Series is Wi-Fi enabled, allowing you to control your AC settings from anywhere using the Gree+ / TOSOT+ app on your smartphone. The system also supports voice control for added convenience.

- **App Control:** Download the Gree+ or TOSOT+ app from your device's app store. Follow the in-app instructions to connect your unit to your home Wi-Fi network. The app allows for temperature adjustment, mode selection, scheduling, and monitoring.
- **Voice Control:** Once connected to Wi-Fi, the unit can be integrated with compatible voice assistants (e.g., Alexa, Google Assistant) for voice-activated commands.

SMART CONTROL ANYWHERE

Adjust your AC settings anytime, anywhere with the Gree+ / TOSOT+ app and voice control.



Figure 6: Smart control options for the TOSOT mini-split. This image illustrates the use of both the physical remote control and a smartphone app to adjust the unit's settings.

Remote Control:

The included remote control provides direct access to all functions. Point the remote towards the indoor unit when operating. The indoor unit features an LED display that shows the current temperature setting, which can be turned off via the remote for dark environments.

6. Maintenance

Regular maintenance ensures optimal performance, efficiency, and longevity of your TOSOT mini-split system. Always disconnect power to the unit before performing any maintenance.

Indoor Unit Maintenance:

- **Air Filter Cleaning:** The air filters should be cleaned every two weeks or more frequently depending on usage and air quality. Open the front panel of the indoor unit, remove the filters, and wash them with lukewarm water and mild detergent. Rinse thoroughly and allow them to dry completely before reinserting.
- **Unit Surface Cleaning:** Wipe the surface of the indoor unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents.

Outdoor Unit Maintenance:

- **Coil Cleaning:** Periodically inspect the outdoor unit's condenser coils for dirt, leaves, and debris. Use a soft brush or vacuum cleaner to remove obstructions. For heavy buildup, professional cleaning may be required.
- **Clearance:** Ensure that the area around the outdoor unit remains clear of obstructions (e.g., plants, snow, debris) to allow for proper airflow.

Professional Servicing:

It is recommended to have a qualified HVAC technician inspect and service your system annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

7. Troubleshooting

This section provides solutions to common issues you might encounter. If the problem persists after attempting these steps, please contact customer support or a qualified technician.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote control batteries dead.	Check power supply, reset circuit breaker, replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, verify settings, contact technician for refrigerant check.
Unusual noise.	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Check for loose parts, clear obstructions. If noise is persistent or loud, contact support.
Water leaking from indoor unit.	Clogged drain hose, improper installation angle.	Check and clear drain hose. If issue persists, professional re-installation may be needed.
Wi-Fi connectivity issues.	Weak Wi-Fi signal, incorrect network settings, app issues.	Ensure strong Wi-Fi signal, reconfigure network settings in app, restart router/unit.

8. Specifications

Detailed technical specifications for the TOSOT 24,000 BTU Mini-Split Air Conditioner and Heating System.

Specification	Value
Model Number	GWH24ATEXF-D6DNA1FO
Product Dimensions	37.72 x 25.98 x 15.83 inches (Outdoor Unit)
Item Weight	173.4 pounds
Manufacturer	Gree Electric Appliances, Inc. of Zhuhai
Form Factor	Mini-Split
Included Components	Indoor Unit, Outdoor Unit and 16 Ft. Copper Line Set
Capacity	2 Tons (24,000 BTU)
Floor Area Coverage	Up to 1500 Square Feet
Voltage	230 Volts
Noise Level	36 dB (Indoor Unit, Max)
Cooling Power	24000 British Thermal Units
Special Features	Fast Cooling, WiFi Enabled
Seasonal Energy Efficiency Ratio (SEER2)	19
Color	White

9. Warranty and Support

Warranty Information:

The TOSOT Cosmo Series Mini-Split Air Conditioner and Heating System comes with a **5-Year Warranty**. Please refer to the warranty card included with your product for full terms and conditions, including coverage details and how to make a claim.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact TOSOT customer support. You can find contact information in your product packaging or on the official TOSOT website.

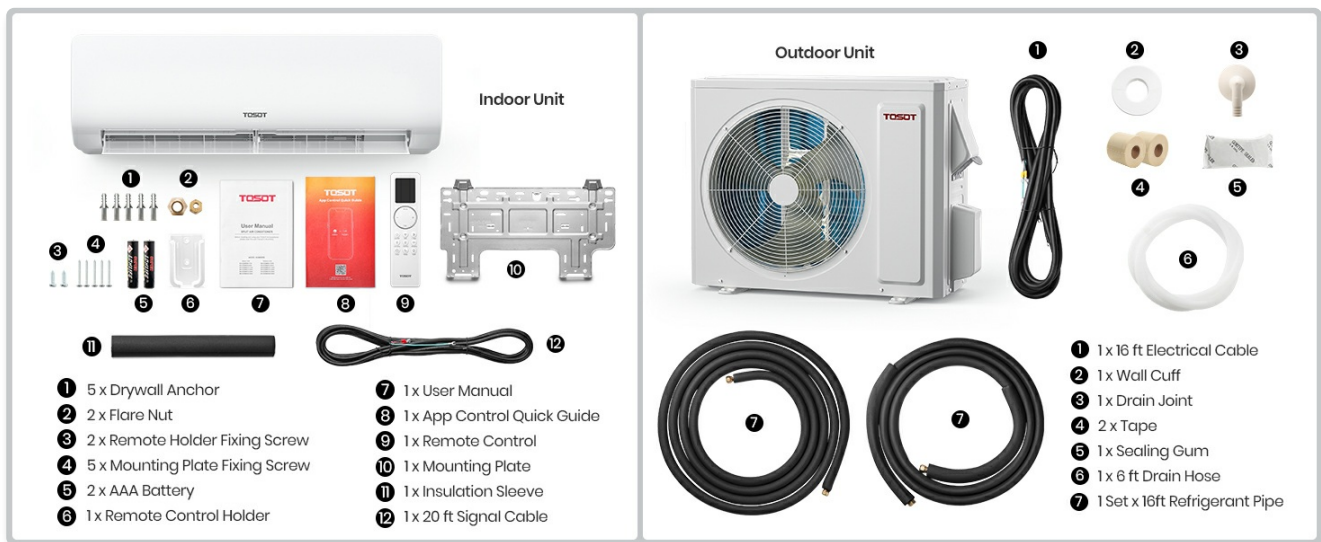


Figure 7: TOSOT's commitment to quality and service. This image highlights the brand's manufacturing experience, secure packaging practices, and availability of US-based customer support.

Important Note: Every unit set may be shipped in multiple packages or on pallets, possibly at different times. Please ensure all packages are received before scheduling installation.