

## TOSOT GWH12ATCXB-A6DNA1AO

# TOSOT Cosmo Series 12,000 BTU 115V Mini-Split Air Conditioner and Heating System User Manual

Model: GWH12ATCXB-A6DNA1AO

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your TOSOT Cosmo Series 12,000 BTU 115V Mini-Split Air Conditioner and Heating System. Please read it thoroughly before installation and use, and retain it for future reference.

The TOSOT Cosmo Series offers advanced climate control with features such as:

- **Smart Control:** Remote control via the Gree+ app and voice control capabilities.
- **High Efficiency:** Up to 19 SEER2 rating for energy savings.
- **Wide Operating Range:** Cools in temperatures up to 122°F and heats as low as -13°F.
- **Quiet Operation:** Noise levels between 22dB and 36dB.
- **Integrated System:** Provides cooling, heating, dehumidifying, and fan-only functions.



Figure 1: Overview of the TOSOT Cosmo Series Mini-Split system, including indoor unit, outdoor unit, remote control, and app interface.

# ADVANCED INVERTER TECHNOLOGY

Enjoy stable temperatures, quieter operation, and energy savings with a compressor that adjusts its speed.

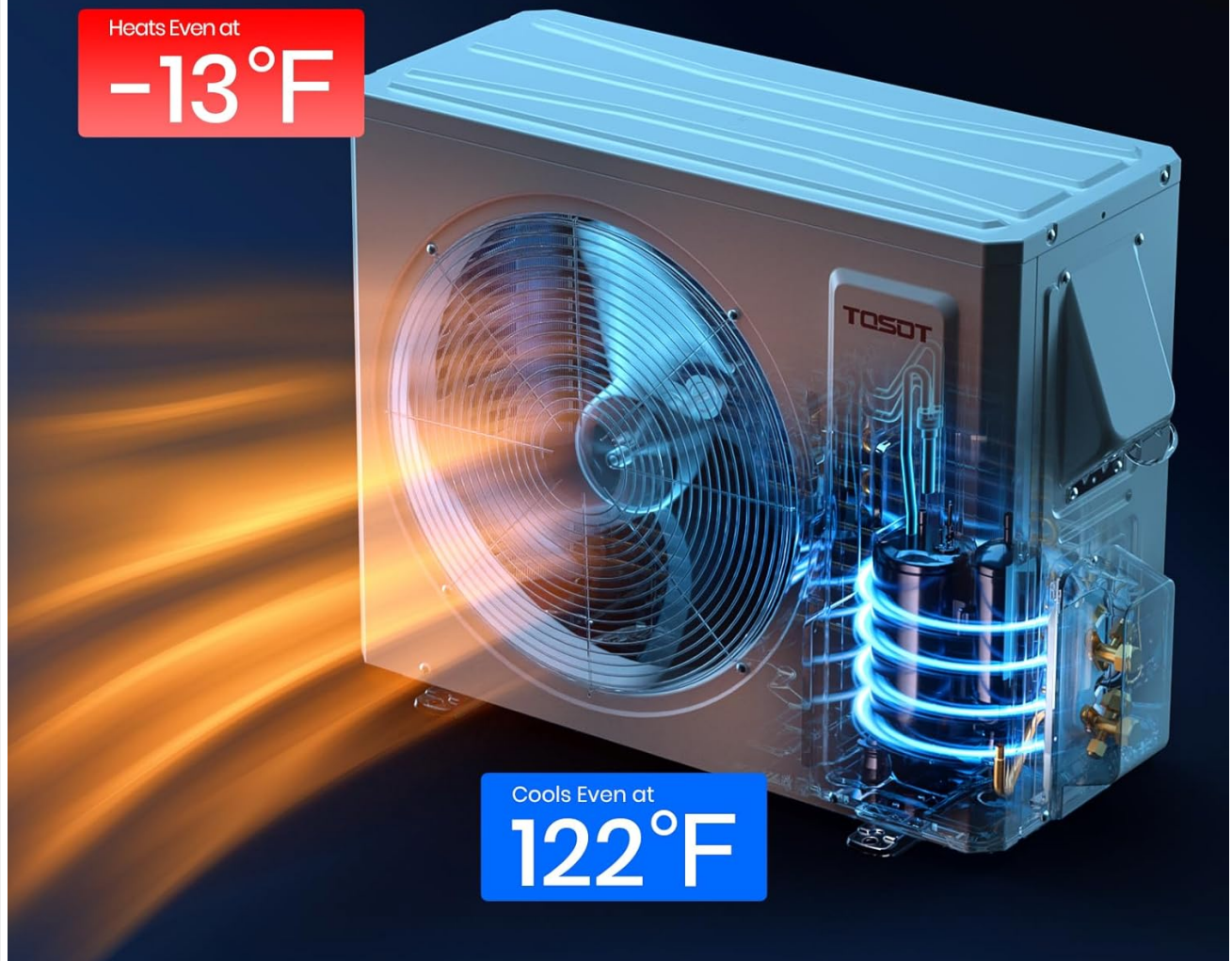


Figure 2: Illustration of the advanced inverter technology, enabling operation in extreme temperatures from 122°F cooling to -13°F heating.

## 2. SAFETY INFORMATION

Always adhere to local electrical codes and safety regulations during installation and operation. Improper installation or maintenance can lead to electric shock, fire, or serious injury.

- Installation must be performed by a qualified and certified HVAC technician.
- Ensure the power supply matches the unit's specifications (110-120V for this model).
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit during operation.
- Ensure proper drainage for condensate to prevent water damage.

## 3. SETUP AND INSTALLATION

The TOSOT Cosmo Series Mini-Split system includes an indoor unit, an outdoor unit, and a 16 ft copper line set.

Installation requires specialized tools and knowledge. It is strongly recommended that installation be performed by a professional HVAC technician.

### 3.1 Included Components

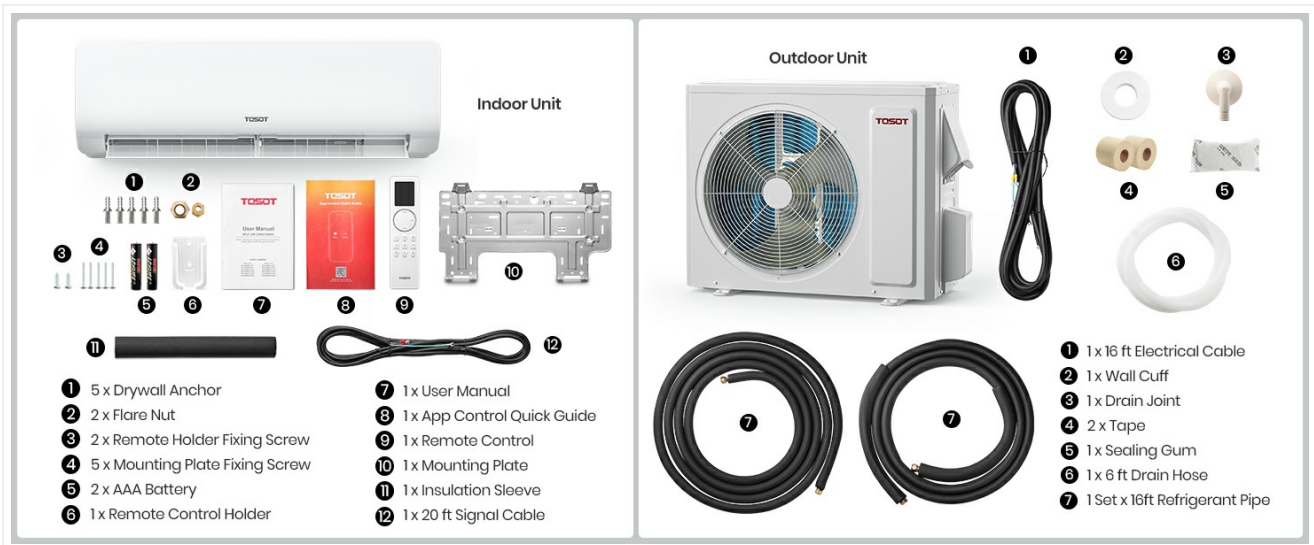


Figure 3: Detailed view of all components included with the indoor and outdoor units, such as drywall anchors, remote, mounting plate, electrical cable, wall cuff, drain joint, tape, sealing gum, drain hose, and refrigerant pipe.

Before beginning installation, verify that all components listed in the packaging diagram are present and undamaged. The unit set may arrive in multiple packages at different times.

### 3.2 Site Selection

- **Indoor Unit:** Choose a location that allows for even air distribution, away from direct sunlight or heat sources. Ensure sufficient space around the unit for maintenance.
- **Outdoor Unit:** Select a stable, level surface with adequate clearance for airflow. Avoid locations where noise might be a disturbance to neighbors.

### 3.3 Installation Steps (Professional Installation Recommended)

1. Mount the indoor unit's mounting plate securely on the wall.
2. Drill a hole through the wall for refrigerant lines, drain hose, and electrical cables.
3. Connect the refrigerant lines, drain hose, and electrical wiring to the indoor unit.
4. Mount the indoor unit onto the mounting plate.
5. Position and secure the outdoor unit.
6. Connect the refrigerant lines and electrical wiring between the indoor and outdoor units.
7. Perform vacuuming of the refrigerant lines to remove air and moisture.
8. Release refrigerant into the system.
9. Check for leaks and ensure all connections are secure.
10. Connect the unit to the dedicated power supply.

**Note:** Proper wiring and refrigerant handling are critical for safety and system performance. Consult the detailed installation guide provided with your unit or a certified technician.

## 4. OPERATING INSTRUCTIONS

Your TOSOT Mini-Split system can be controlled via the included remote control, the Gree+ / TOSOT+ mobile app,



or voice commands.

## 4.1 Remote Control Operation

The remote control allows direct access to all functions. Insert two AAA batteries (included) into the remote before use.



Figure 4: The remote control and the Gree+ / TOSOT+ app interface for smart control.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through Cooling, Heating, Dehumidifying, and Fan modes.
- **Temperature Buttons (Up/Down):** Adjusts the desired temperature.
- **Fan Speed Button:** Selects fan speed (e.g., Low, Medium, High, Auto).
- **Sleep Button:** Activates sleep mode for quiet operation and energy saving during sleep.
- **Timer Button:** Sets ON/OFF timers.

## 4.2 Smart Control (Wi-Fi and Voice Control)

The unit is Wi-Fi enabled and can be controlled remotely via the Gree+ or TOSOT+ app. It also supports voice control through compatible smart home devices (e.g., Google Assistant).

1. Download the Gree+ or TOSOT+ app from your smartphone's app store.
2. Follow the in-app instructions to connect your mini-split unit to your home Wi-Fi network.
3. Once connected, you can adjust settings, monitor status, and schedule operations from anywhere.
4. For voice control, link the Gree+ / TOSOT+ app with your preferred voice assistant.

### 4.3 Operating Modes



Figure 5: Visual representation of the unit's four primary operating modes: Cooling (12,000 BTU/h), Heating (12,000 BTU/h), Dehumidifying (71.04 Pints/d), and Fan (7 speeds).

- **Cooling Mode:** Provides 12,000 BTU/h of cooling capacity. Ideal for reducing room temperature.
- **Heating Mode:** Provides 12,000 BTU/h of heating capacity. Suitable for warming the room.
- **Dehumidifying Mode:** Removes up to 71.04 pints of moisture per day, improving air quality and comfort.
- **Fan Mode:** Circulates air without cooling or heating, with 7 adjustable fan speeds.

### 4.4 Energy Efficiency



Figure 6: The unit's 19.0 SEER2 rating, indicating high energy efficiency and potential energy cost savings.

The TOSOT Cosmo Series features a 19 SEER2 rating, signifying its high energy efficiency. This can lead to significant energy cost savings compared to lower SEER2 rated units.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your mini-split system. Always turn off the power to the unit before performing any maintenance.

### 5.1 Air Filter Cleaning

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the filters with a vacuum cleaner or wash them with lukewarm water. Allow them to dry completely before reinserting.
- Clean filters every 2-4 weeks, or more frequently if the unit is used heavily or in dusty environments.



## 5.2 Outdoor Unit Maintenance

- Keep the area around the outdoor unit clear of debris, leaves, and vegetation to ensure proper airflow.
- Periodically clean the outdoor coil fins with a soft brush or water hose. Be careful not to bend the fins.
- Ensure the condensate drain line is free from blockages.

## 5.3 Professional Inspection

It is recommended to have a qualified HVAC technician inspect your system annually to ensure all components are functioning correctly and to perform any necessary deep cleaning or adjustments.

# 6. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote batteries dead.	Check power supply, reset circuit breaker, replace remote 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.
Water leaking from indoor unit.	Blocked condensate drain line, improper installation angle, ice buildup.	Check and clear the drain line. Ensure the indoor unit is level. If ice buildup is suspected, turn off the unit and allow it to defrost, then check for underlying causes. Professional inspection is recommended for persistent issues.
Unusual noises.	Loose parts, fan obstruction, refrigerant flow noise (normal).	Inspect for loose components. If noise is persistent or unusual, contact a technician.
Wi-Fi connectivity issues.	Weak Wi-Fi signal, incorrect app setup, router issues.	Ensure strong Wi-Fi signal, re-follow app setup instructions, restart router.

# 7. SPECIFICATIONS

Key technical specifications for the TOSOT Cosmo Series 12,000 BTU 115V Mini-Split Air Conditioner and Heating System.

Feature	Detail
Model Number	GWH12ATCXB-A6DNA1AO
Cooling Capacity	12,000 BTU
Heating Capacity	12,000 BTU



Feature	Detail
SEER2 Rating	19
Voltage	110-120V (AC)
Noise Level (Indoor)	22-36 Decibels
Refrigerant Type	R32
Included Line Set Length	16 ft Copper Line Set
Approximate Coverage Area	Up to 750 Square Feet
Product Dimensions (Indoor Unit)	32.9"W x 10.8"H x 7.9"D (for 9,000 & 12,000 BTU models)
Product Dimensions (Outdoor Unit)	28.8"W x 21.9"H x 13.0"D (for 9,000 & 12,000 BTU models)
Item Weight	100.2 pounds (total system)
Special Features	Fast Cooling, Google Assistant, Wi-Fi Enabled



Figure 7: Dimensional specifications for various BTU models of TOSOT mini-split indoor and outdoor units.



Figure 8: Recommended applicable area in square feet for different BTU capacities.

## 8. WARRANTY AND SUPPORT

### 8.1 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.


### 8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your TOSOT product, please contact customer support. You can find more information and contact details on the official TOSOT store page:


[Visit the TOSOT Store on Amazon](#)

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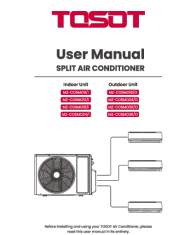
NOTE

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

Figure 9: TOSOT's commitment to quality, secure packaging, and customer support.

### Related Documents - GWH12ATCXB-A6DNA1AO

	<p><a href="#">TOSOT Split Air Conditioner Owner's Manual</a></p> <p>Comprehensive owner's manual for TOSOT Split Air Conditioners, covering safety precautions, installation, operation, maintenance, and troubleshooting for models like TWH09AT19A6A and other TWH series units.</p>
	<p><a href="#">TOSOT Split Airco Gebruikershandleiding: Installatie, Gebruik en Onderhoud</a></p> <p>Gedetailleerde gebruikershandleiding voor de TOSOT Split Airco, inclusief installatie-instructies, bediening met de afstandsbediening, onderhoudstips, veiligheidsmaatregelen en probleemoplossing.</p>

	<p><a href="#">TOSOT Clivia Deluxe TH-SCD Air Conditioner User Manual</a></p> <p>Comprehensive user manual for the TOSOT Clivia Deluxe TH-SCD series air conditioners, covering features, operation, specifications, maintenance, and safety. Includes R32 refrigerant information and WiFi connectivity details.</p>
	<p><a href="#">TOSOT RV Air Conditioner Installation Guide</a></p> <p>Step-by-step instructions for installing a TOSOT RV Air Conditioner, covering sealing, unit mounting, duct plate installation, ceiling frame, wiring, and grille assembly.</p>
	<p><a href="#">TOSOT 8,000 BTU Window Air Conditioner User Manual   Installation, Operation &amp; Troubleshooting</a></p> <p>Comprehensive user manual for the TOSOT 8,000 BTU Window Air Conditioner (Model GJC08BU-A6NRNJ2A). Covers installation, operation, remote control, cleaning, maintenance, troubleshooting, and safety instructions.</p>
	<p><a href="#">TOSOT Cosmo Series Split Air Conditioner User Manual</a></p> <p>User manual for TOSOT Cosmo Series Split Air Conditioners, detailing installation, operation, safety, maintenance, and troubleshooting for various MZ-COSMO models.</p>