

TOSOT Cosmo Series 18,000 BTU Dual 2 Zone (9,000+9,000 BTU)

TOSOT Cosmo Series 18,000 BTU Dual 2 Zone Mini Split Air Conditioner User Manual

Model: Cosmo Series 18,000 BTU Dual 2 Zone (9,000+9,000 BTU)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your TOSOT Cosmo Series 18,000 BTU Dual 2 Zone Mini Split Air Conditioner with Heat Pump. This system features a single outdoor unit connected to two indoor units, each designed for independent temperature control in its designated area. Please read this manual thoroughly before using the product and retain it for future reference.

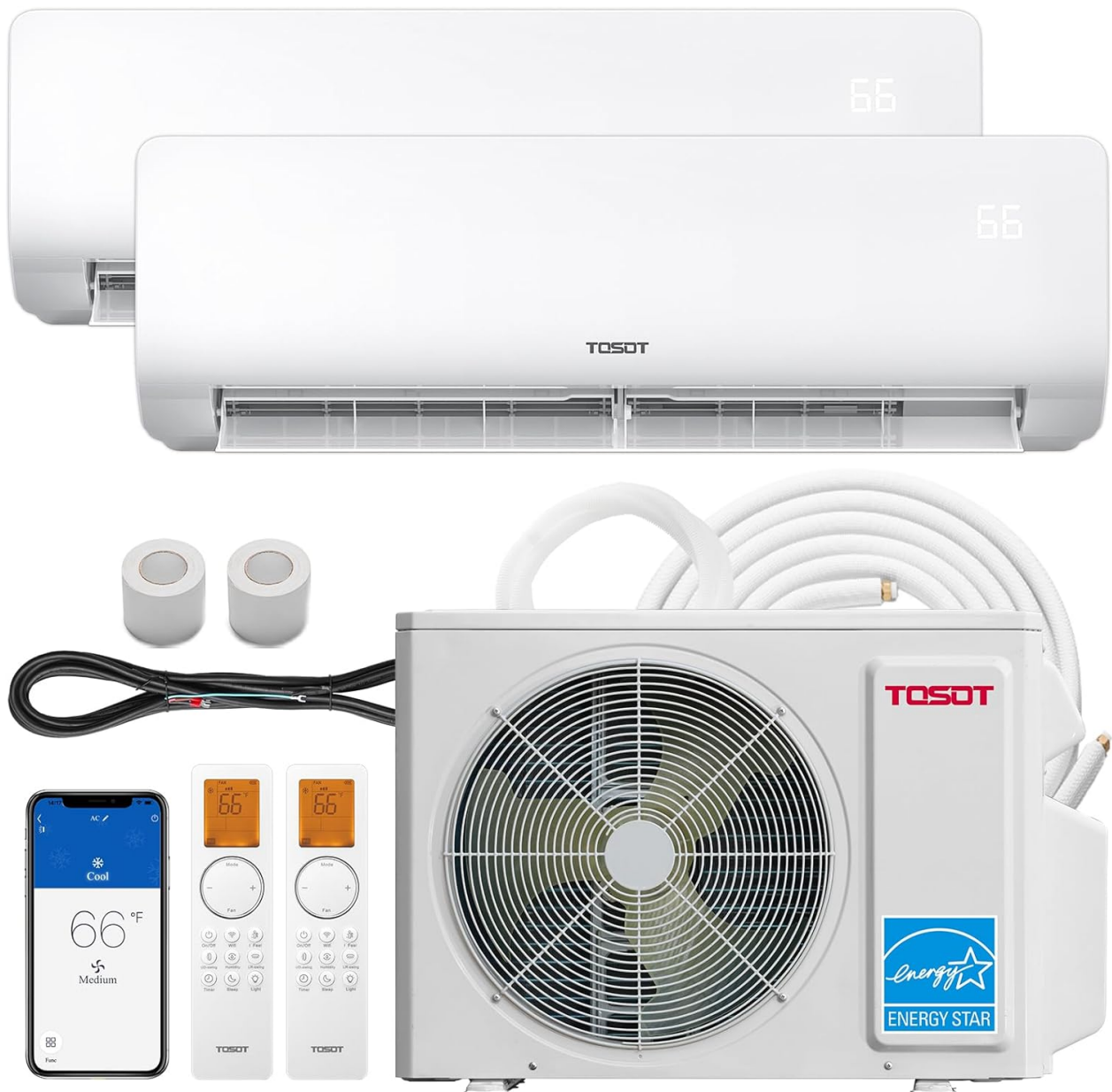


Image 1.1: Overview of the TOSOT 18,000 BTU Dual 2 Zone Mini Split Air Conditioner system, including two indoor units, one outdoor unit, remote controls, and copper line sets.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the unit:

- Ensure the unit is installed by a qualified professional in accordance with all local and national electrical and building codes.
- Do not attempt to repair or service the unit yourself. Contact qualified service personnel.
- Turn off the power supply to the unit before performing any maintenance or cleaning.
- Keep children and pets away from the outdoor unit.
- Do not block the air intake or outlet of either the indoor or outdoor units.
- Use only the specified refrigerant (R-32) for this system.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Individual Temperature Control:** Manage temperatures in two separate spaces using one 18,000 BTU outdoor unit and two 9,000 BTU indoor units. Customize temperatures from 61-86°F and select different modes for each room.
- **Energy Efficiency:** Rated at 21 SEER2 and 10 HSPF2, this system is Energy Star-certified, offering potential energy cost savings.
- **Extreme Weather Resilience:** Features an advanced compressor, allowing operation in ambient temperatures from -22°F to 118°F. Includes an intelligent defrost function for enhanced heating efficiency.
- **Smart Control:** Manage the system remotely using the Gree+ app and integrate with voice control for hands-free adjustments.



Image 3.1: Illustrates the multi-zone capability, where a single outdoor unit efficiently serves multiple indoor units, providing independent climate control for different rooms.

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ETL^{us}
Intertek

AHRI CERTIFIED™

Seasonal Energy Efficiency Ratio (SEER2*)

21.0

20 21 22



Cut energy costs up to

24%

compared to lower SEER2* units

SEER stands for Seasonal Energy Efficiency Rating. SEER2* is the updated version of this calculation that uses the new M1 blower testing procedure.

Image 3.2: Highlights the system's 21.0 SEER2 rating, indicating high energy efficiency and potential for up to 24% energy cost savings compared to lower SEER2 units.



Image 3.3: Depicts the four primary operating modes: Cooling, Heating, Dehumidifying, and Fan, demonstrating the system's versatility for year-round comfort.

ADVANCED INVERTER TECHNOLOGY

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

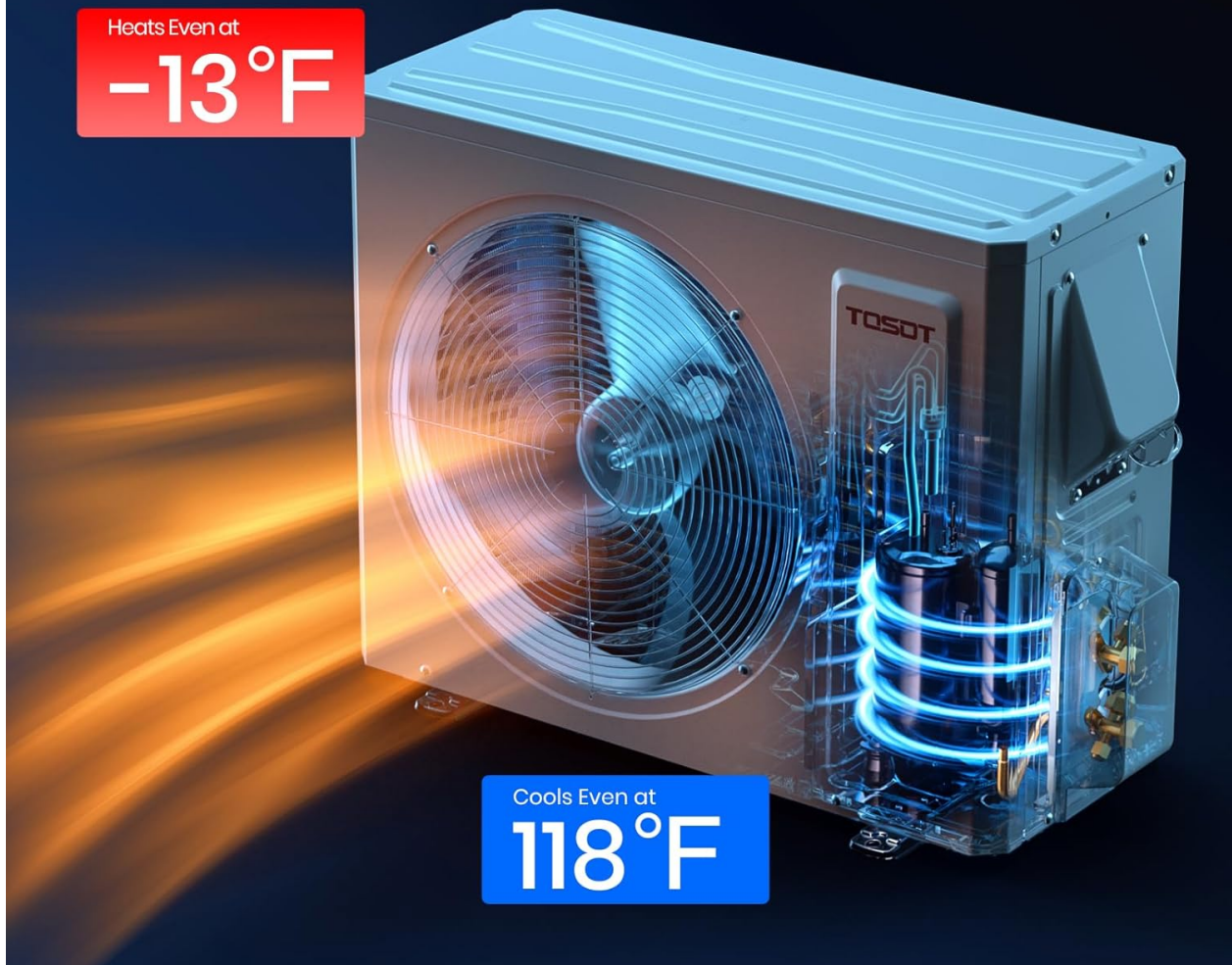


Image 3.4: Illustrates the advanced inverter technology of the outdoor unit, capable of heating even at -13°F and cooling even at 118°F, ensuring stable temperatures across extreme weather conditions.

SMART CONTROL ANYWHERE

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



Image 3.5: Shows the smart control capabilities, allowing users to adjust AC settings remotely via the Gree+ / TOSOT+ app and voice control.

4. SETUP AND INSTALLATION

The TOSOT Cosmo Series mini split system is designed for straightforward installation, eliminating the need for extensive ductwork. However, professional installation is strongly recommended to ensure proper function, safety, and warranty compliance.

4.1 Pre-Installation Considerations

- **Location:** Select appropriate locations for both indoor and outdoor units, ensuring adequate airflow and clearance.
- **Power Supply:** The system requires a 230V power supply. Ensure a dedicated circuit is available. The power cord is not included.
- **Drainage:** Plan for proper condensate drainage from the indoor units.

4.2 Installation Steps (Overview)

1. Mount the indoor units securely on the wall in the desired locations.

2. Install the outdoor unit on a stable, level surface, ensuring proper clearance for airflow.
3. Connect the indoor and outdoor units using the provided 16.4-foot copper line set. This involves refrigerant lines and electrical wiring.
4. Evacuate the refrigerant lines to remove air and moisture.
5. Connect the electrical wiring according to the wiring diagram provided in the full installation manual.
6. Perform a leak test on all refrigerant connections.
7. Charge the system with the correct amount of R-32 refrigerant, if necessary.
8. Test the system's operation in all modes.

Note: Your order may be shipped in multiple packages or on pallets and arrive at different times. Please arrange installation only after receiving all parts.

5. OPERATING INSTRUCTIONS

Your TOSOT mini split system offers various modes and settings for optimal comfort. Each indoor unit can be controlled independently.

5.1 Remote Control Operation

Use the provided wireless remote controls to adjust settings for each indoor unit. Common functions include:

- **Power On/Off:** Activates or deactivates the unit.
- **Mode Selection:** Choose between Cool, Heat, Fan, and Dry (Dehumidifying) modes.
- **Temperature Adjustment:** Set desired temperature within the range of 61-86°F.
- **Fan Speed:** Adjust fan speed (Low, Medium, High, Auto).
- **Swing Function:** Control the vertical louver movement for air distribution.
- **Timer:** Set the unit to turn on or off automatically after a specified period.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep.

5.2 Smart Control (Gree+ App / Voice Control)

The system is Wi-Fi enabled, allowing remote control via the Gree+ app on your smartphone or tablet. It also supports voice control for hands-free adjustments.

1. Download the Gree+ app from your device's app store.
2. Follow the in-app instructions to connect your mini split system to your home Wi-Fi network.
3. Once connected, you can control all functions of the indoor units from anywhere with an internet connection.
4. For voice control, link the Gree+ app with your preferred smart home assistant (e.g., Google Assistant).

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your TOSOT mini split system. Always disconnect power before performing maintenance.

6.1 Air Filter Cleaning

The indoor unit's air filters should be cleaned regularly, typically every 2-4 weeks, depending on usage and air quality.

1. Open the front panel of the indoor unit.

2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Allow filters to dry completely before reinstalling.

6.2 Outdoor Unit Maintenance

- Keep the area around the outdoor unit clear of debris, leaves, and obstructions.
- Periodically clean the outdoor coil with a soft brush or water hose to remove dirt and dust.
- Ensure the condensate drain line is not clogged.

6.3 Professional Servicing

It is recommended to have a qualified HVAC technician perform annual inspections and maintenance, including checking refrigerant levels, electrical connections, and overall system performance.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

| Problem | Possible Cause | Solution |
|--------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Unit does not turn on | No power, remote control batteries low | Check circuit breaker, replace remote batteries |
| Insufficient cooling/heating | Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting | Clean filters, clear obstructions, verify settings |
| Unusual noise | Loose parts, fan obstruction, refrigerant issues | Inspect for loose parts, clear obstructions, contact service if persistent |
| Water leakage from indoor unit | Clogged drain line, improper installation | Clear drain line, contact installer if issue persists |

If troubleshooting steps do not resolve the issue, please contact TOSOT customer support.

8. SPECIFICATIONS

| Feature | Detail |
|---------------------------------------------|-------------------------------------------------------|
| Brand | TOSOT |
| Model Series | Cosmo Series |
| System Type | Dual 2 Zone Mini-Split Air Conditioner with Heat Pump |
| Outdoor Unit Capacity | 18,000 BTU |
| Indoor Unit Capacity | 2 x 9,000 BTU |
| Cooling Power | 18,000 British Thermal Units |
| Seasonal Energy Efficiency Ratio (SEER2) | 21 |
| Heating Seasonal Performance Factor (HSPF2) | 10 |

| Feature | Detail |
|-------------------------------------|--------------------------------|
| Voltage | 230 Volts |
| Refrigerant | R-32 |
| Noise Level | 53 Decibels (Outdoor Unit) |
| Special Features | Google Assistant, WiFi Enabled |
| Outdoor Unit Dimensions (D x W x H) | 32.4 x 13.9 x 21.65 inches |
| Included Line Set Length | 16.4 ft Copper Line Set |
| Operating Temperature Range | -22°F to 118°F |



Image 8.1: Provides dimensional specifications for various TOSOT mini split indoor and outdoor units, including the 18,000 BTU outdoor unit and 9,000 BTU indoor units.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

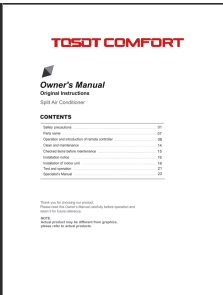


The TOSOT Cosmo Series Mini Split Air Conditioner comes with a **five-year warranty**. Please refer to the warranty card included with your product for specific terms and conditions. Retain your proof of purchase for warranty claims.




9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact TOSOT customer support. Contact information can typically be found on the TOSOT website or in the packaging materials.

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Related Documents - Cosmo Series 18,000 BTU Dual 2 Zone (9,000+9,000 BTU)

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|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>TOSOT Split Air Conditioner Owner's Manual</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>TOSOT RV Air Conditioner Installation Guide</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>TOSOT Split Airco Gebruikershandleiding: Installatie, Gebruik en Onderhoud</p> <p>Gedetailleerde gebruikershandleiding voor de TOSOT Split Airco, inclusief installatie-instructies, bediening met de afstandsbediening, onderhoudstips, veiligheidsmaatregelen en probleemoplossing.</p> |

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|  | <p>TOSOT Clivia Deluxe TH-SCD Air Conditioner User Manual</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>TOSOT Split Type Air Conditioner Specifications and Dimensions</p> <p>Detailed technical specifications, performance data, and physical dimensions for TOSOT split-type air conditioning models TM18HMO, TM24HMO, TM30HMO, TM36HMO, and TM42HMO.</p> |
|  | <p>TOSOT 8,000 BTU Window Air Conditioner User Manual Installation, Operation & Troubleshooting</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> |