

TOSOT TST-MZ-C24-D1212-02

TOSOT Cosmo Series 24,000 BTU Dual Zone Mini Split Air Conditioner with Heat Pump Instruction Manual

Brand: TOSOT

Model: TST-MZ-C24-D1212-02

1. PRODUCT OVERVIEW

The TOSOT Cosmo Series 24,000 BTU Dual Zone Mini Split Air Conditioner with Heat Pump is a high-efficiency, WiFi-enabled ductless inverter split system designed to provide individualized temperature control across two distinct zones. This system includes one 24,000 BTU outdoor unit and two 12,000 BTU indoor units, allowing for customized climate settings in different rooms. Featuring a 21 SEER2 rating, it offers significant energy savings and robust performance across a wide range of ambient temperatures.

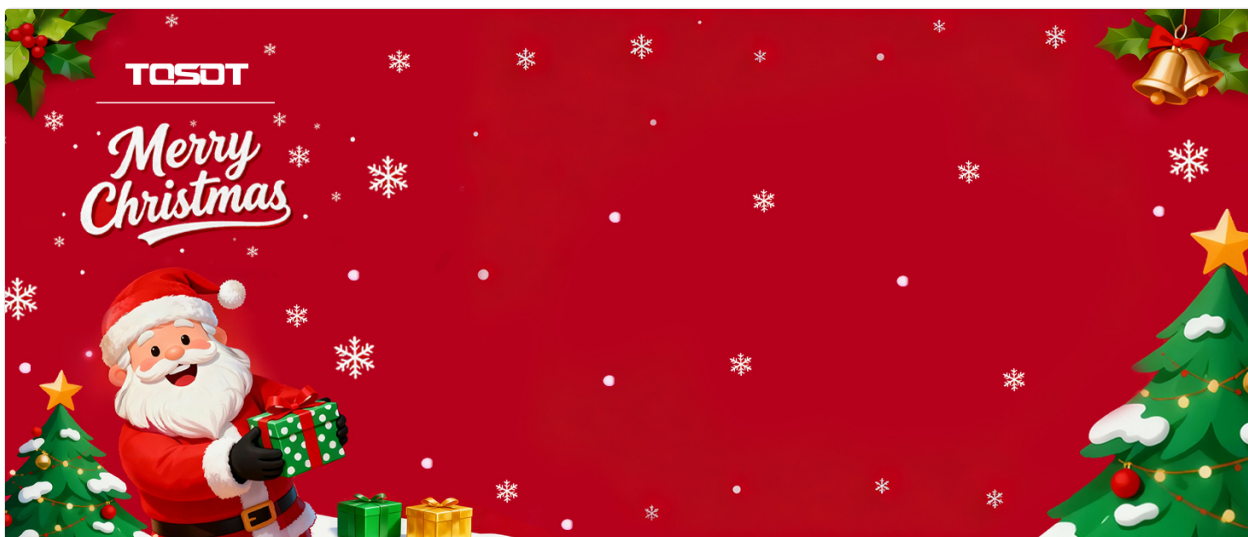


Image: An aerial view diagram of a house illustrating how a single outdoor unit can provide independent heating and cooling to multiple indoor units in different rooms, ensuring individual temperature control.

2. KEY FEATURES

- **Individual Temperature Control:** Manage temperatures in two separate spaces using one 24,000 BTU outdoor unit and two 12,000 BTU indoor units. Customize temperatures from 61-86°F and select different modes for each room to meet varying needs.
- **Cost Saving:** With a rating of 21 SEER2 and 10 HSPF2, the TOSOT Cosmo series multizone system saves up to 24% on energy costs compared to conventional units rated at 16 SEER2. Energy Star-certified and eligible for federal tax rebates.
- **Extreme Weather Resilience:** Features an advanced compressor that operates in ambient temperatures from -22°F to 118°F, ensuring reliable performance year-round. Includes an intelligent defrost function for enhanced heating efficiency.
- **Easy Installation:** Designed for straightforward installation without the need for ductwork or vents, potentially lowering installation costs compared to central AC systems. Maintenance and repairs for each indoor unit are simple. Includes a 16.4-foot copper pipe set (power cord not included).
- **Smart Control:** Manage the system remotely from anywhere using the Gree+ app. Supports voice control for hands-free adjustments.

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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 MI blower testing procedure.

Image: An indoor unit displaying a Seasonal Energy Efficiency Ratio (SEER2) of 21.0, highlighting the system's energy-saving capabilities.

3. INCLUDED COMPONENTS

The TOSOT Cosmo Series Mini Split system includes the following components:

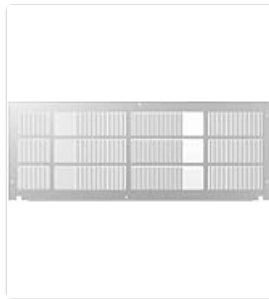


Image: A detailed visual breakdown of all components included with the TOSOT Mini Split system, categorized for indoor and outdoor units, along with accessories like remote controls and copper line sets.

- Outdoor Unit (x1)
- Indoor Units (x2, 12,000 BTU each)
- Remote Controls (x2)
- Mounting Plates (x2)
- 16.4 ft Copper Line Set (x2)
- Drain Hose (x2)
- Electrical Signal Cables (x2)
- User Manual (x1)
- Installation Accessories (e.g., flare nuts, sealing gum, tape, wall sleeves)

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

4. INSTALLATION GUIDE

Proper installation is crucial for the optimal performance and longevity of your TOSOT Mini Split system. It is highly recommended that installation be performed by qualified HVAC professionals. The following videos provide general guidance on mini-split installation. Always refer to the detailed instructions in your included User Manual for specific steps pertaining to your model.

General Installation Steps Overview

Video: A detailed guide on how to install a 24,000 BTU Dual Zone Mini Split AC unit. This video covers various aspects of the installation process, from mounting to connecting lines.

Key Installation Considerations

- **Location Selection:** Choose a sturdy wall for the indoor unit, ensuring it is at least 6 inches below the ceiling for proper airflow. The outdoor unit should be spaced away from walls and clear of any plants or obstructions within 3 feet.
- **Refrigerant Pipes:** Handle refrigerant pipes carefully to avoid damage. Use a bending tool or bend slowly to prevent kinks. Ensure the line set is angled downward from the indoor unit for proper drainage.
- **Vacuuming the Refrigerant Circuit:** This is a critical step to remove air and moisture for maximum efficiency.

Vacuum each line set separately for multi-zone systems. Use a micron gauge to reach 500 microns or a manifold gauge for -30 PSI.

- **Electrical Connection:** Ensure all power sources are turned off before connecting any wires. Connect the ground wire first, followed by the numbered wires (black, white, yellow) to their corresponding terminals on both indoor and outdoor units. Verify your home's voltage (110V or 220V) and use the correct breaker and UL-listed wire for safety.

Wiring Instructions

Video: A guide demonstrating how to correctly wire a mini split unit, focusing on the electrical connections for safe and proper operation.

5. OPERATING INSTRUCTIONS

Your TOSOT Mini Split system offers various modes and controls for optimal comfort. Use the provided remote control or the Gree+ app for smart control.

Remote Control Functions

- **Mode Selection:** Switch between Cooling, Heating, Dehumidifying, and Fan-only modes.
- **Temperature Adjustment:** Set desired temperature between 61-86°F.
- **Fan Speed:** Adjust fan speed for desired airflow.
- **Swing Mode:** Activate the auto-louver to direct air up/down and side-to-side for even circulation.
- **Sleep Mode:** Optimizes settings for comfortable sleep and energy efficiency.
- **Turbo Mode:** Quickly cools or heats the room to the set temperature.
- **Timer:** Program the unit to turn on or off at specific times.
- **Light Control:** Turn off the display light on the indoor unit for undisturbed sleep.

Smart Control (Gree+ App)

Connect your unit to Wi-Fi and use the Gree+ app to control all functions remotely, including mode selection, temperature adjustment, fan speed, and scheduling. Voice control is also supported for hands-free operation.

SMART CONTROL ANYWHERE

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



Image: A remote control and a smartphone displaying the Gree+ app interface, illustrating the smart control capabilities of the TOSOT Mini Split system.

6. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your unit.

- **Filter Cleaning:** Clean the indoor unit's air filters regularly (e.g., every 2-4 weeks, depending on usage) to maintain airflow and efficiency.
- **Outdoor Unit:** Keep the outdoor unit clear of debris, leaves, and other obstructions. Ensure proper airflow around the unit.
- **Drainage:** Periodically check the drain hose for blockages to prevent water leakage.
- **Professional Inspection:** Schedule annual professional inspections and servicing to ensure all components are functioning correctly and to address any potential issues.

7. TROUBLESHOOTING

If you encounter issues with your unit, try the following basic troubleshooting steps:

- **No Power:** Check the circuit breaker and ensure the unit is properly connected to the power supply.
- **Not Cooling/Heating:** Verify the mode setting and desired temperature. Ensure air filters are clean and there are no obstructions to airflow.
- **Unusual Noises:** Minor noises during operation are normal. If loud or unusual noises occur, contact customer support.
- **Water Leakage:** Check the drain hose for kinks or blockages. Ensure the indoor unit is properly angled for drainage.

For more detailed troubleshooting or persistent issues, please refer to the comprehensive troubleshooting section in your User Manual or contact TOSOT customer support.

8. SPECIFICATIONS

Specification	Value
Brand Name	TOSOT
Model Info	TST-MZ-C24-D1212-02
Item Weight	220 pounds
Product Dimensions	37.9 x 15.79 x 25.98 inches
Efficiency (SEER2)	21
Capacity	2 Tons (24,000 BTU total, Dual 12,000 BTU indoor units)
Noise Level	58 Decibels
Installation Type	Split System
Form Factor	Mini-Split
Special Features	Google Assistant, WiFi Enabled
Color	White
Voltage	230 Volts
Wattage	3200 watts
Floor Area Coverage	1500 Square Feet
Refrigerant	R-32

9. WARRANTY AND SUPPORT

Your TOSOT Mini Split system comes with a **five-year warranty**, providing peace of mind. For any questions, technical assistance, or warranty claims, please contact TOSOT Customer Support.

Customer Support: Available for assistance with product inquiries, installation guidance, and troubleshooting.

Returns: 30-day easy returns policy.