

TOSOT SU-COSMO36D/I;SU-COSMO36-230/O

TOSOT 34,000 BTU Cosmo Series Ducted Mini Split Air Conditioner User Manual

Model: SU-COSMO36D/I;SU-COSMO36-230/O

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your TOSOT 34,000 BTU Cosmo Series Ducted Mini Split Air Conditioner. Please read this manual thoroughly before installation and use, and retain it for future reference. This system is designed for both cooling and heating, offering versatile climate control for various spaces.

2. SAFETY INFORMATION

Important: Installation must be performed by certified technicians to ensure safety and system optimization. The ceiling structure must have adequate load-bearing capacity for the indoor unit.

- Always disconnect power before servicing or cleaning the unit.
- Do not block air inlets or outlets.
- Ensure proper grounding to prevent electrical shock.
- Use only the specified refrigerant (R32) and follow all handling guidelines.
- Keep children away from the unit during operation and maintenance.

The unit is equipped with an R32 sensor for safety. Refer to the diagram below for visual reference.

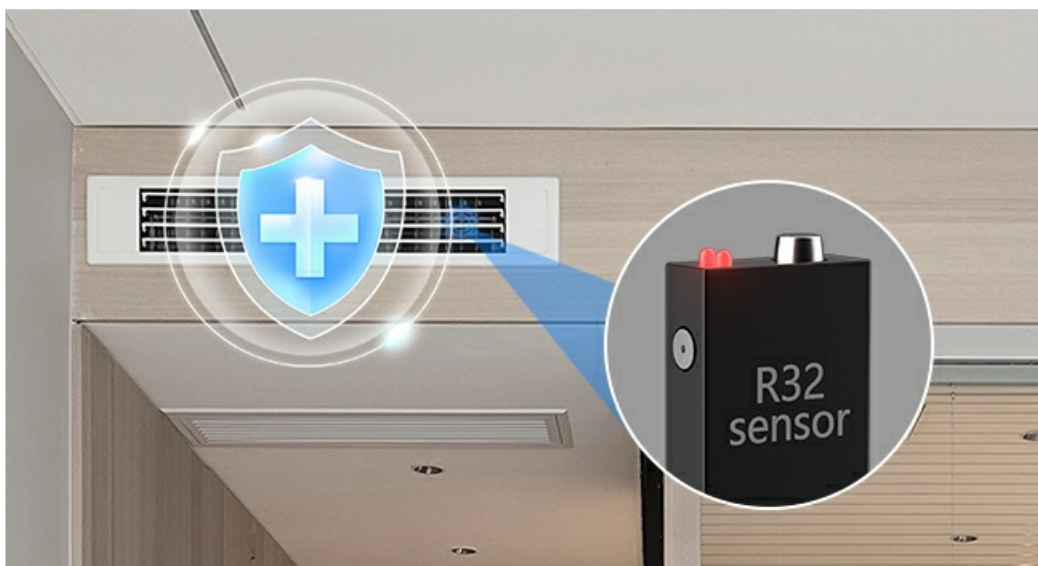


Figure 2.1: R32 Sensor. This sensor monitors refrigerant levels to ensure safe operation.

3. PRODUCT OVERVIEW

The TOSOT Cosmo Series Ducted Mini Split Air Conditioner provides efficient and discreet climate control. It features a concealed indoor unit designed for integration into ceiling structures and an outdoor condenser unit.



Figure 3.1: Main components of the TOSOT Ducted Mini Split system, including the indoor unit, outdoor unit, wired controller, and a smartphone displaying the app control interface.

3.1 Key Features

- **Powerful Cooling & Heating:** Delivers up to 1,324 CFM airflow with 6 fan speeds, including Turbo mode. Operates efficiently from -13°F to 122°F.
- **Energy-Saving:** Equipped with an inverter compressor and R32 refrigerant for optimized energy use. Features an energy-saving mode.
- **High Static Pressure Design:** Suitable for long-distance ducting and high-ceiling spaces, with adjustable external static pressure (0-1.106 inch WC).
- **Flexible Installation:** Default side return air can be converted to bottom return. Versatile placement of supply and return vents.
- **Automatic Drainage:** Built-in pump actively discharges condensation, reducing clogging risks and preventing ceiling leaks.
- **Smart Control:** Includes a wired controller and supports app control for remote adjustments, timer, dehumidification, and sleep mode.

3.2 What's in the Box

Ensure all items are received before scheduling professional installation.

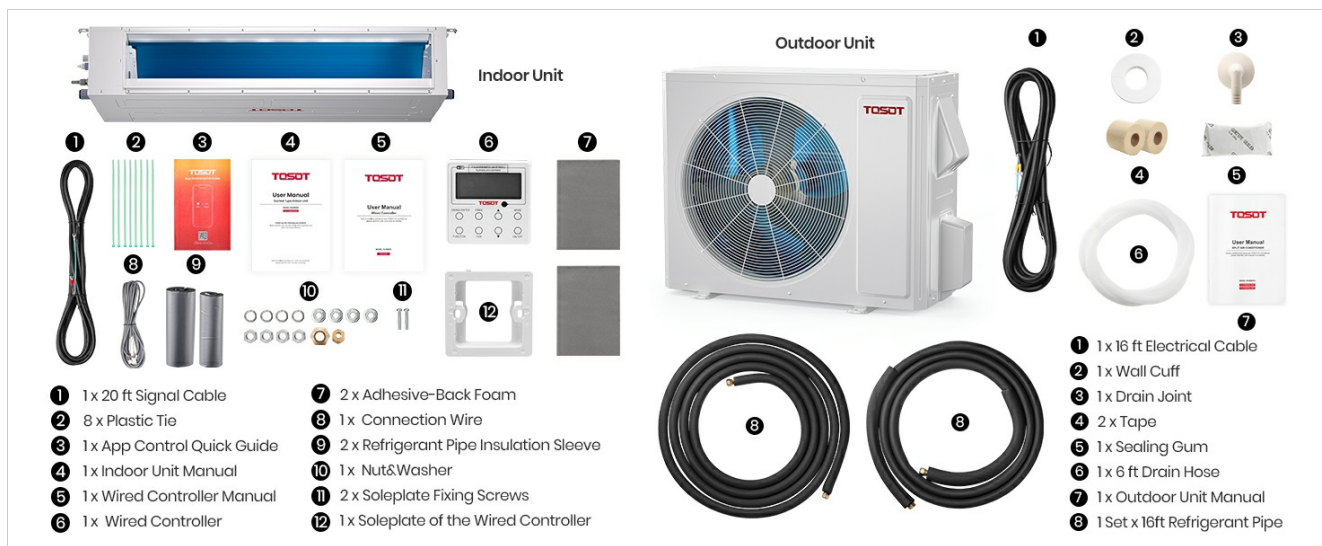


Figure 3.2: Detailed list of included components for both indoor and outdoor units, such as signal cable, plastic tie, app quick guide, user manuals, wired controller, adhesive-back foam, connection wire, refrigerant pipe insulation sleeve, nuts/washers, soleplate fixing screws, wall cuff, drain joint, tape, sealing gum, drain hose, and refrigerant pipe set.

4. SETUP

Professional installation is required for this system. The following information provides an overview of key installation aspects.

4.1 Installation Considerations

- The indoor unit is designed for concealed installation within ceiling structures, saving wall and floor space.
- The unit supports flexible air return options (side or bottom) and multi-duct configurations.
- Ensure the ceiling has sufficient load-bearing capacity.

ADAPTABLE DESIGN

Compatible with various ceiling structures and spatial layouts for easier planning and more flexible installation.

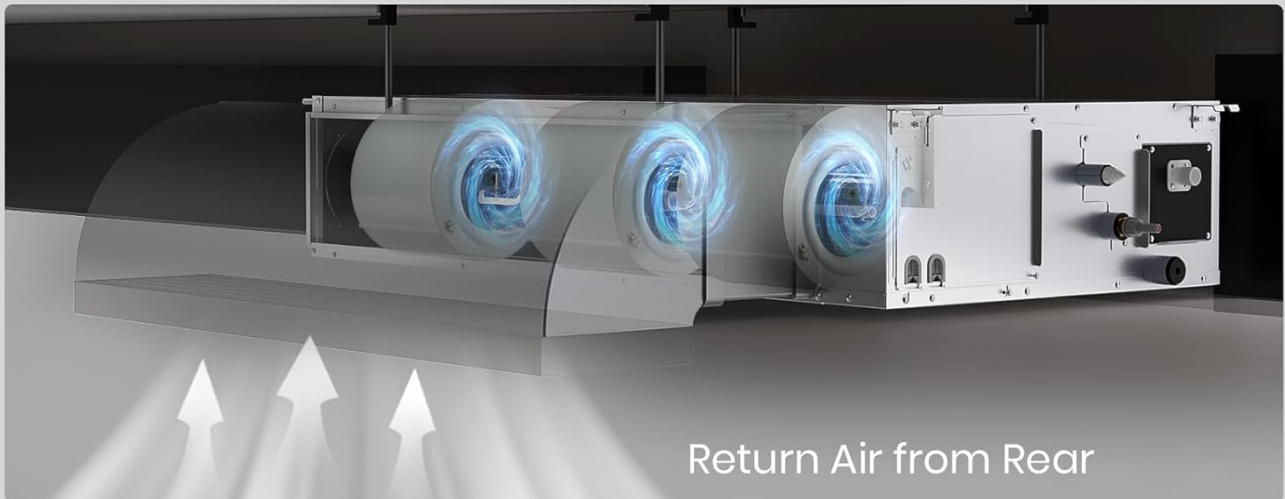


Figure 4.1: Adaptable design of the indoor unit, showing options for return air from the bottom or rear, allowing for flexible integration into various ceiling structures.

Celling-Concealed

SPACE-SAVING DESIGN

Saves wall and floor space, leaving more room for your activities and decor.

Compared To

Wall-Mounted



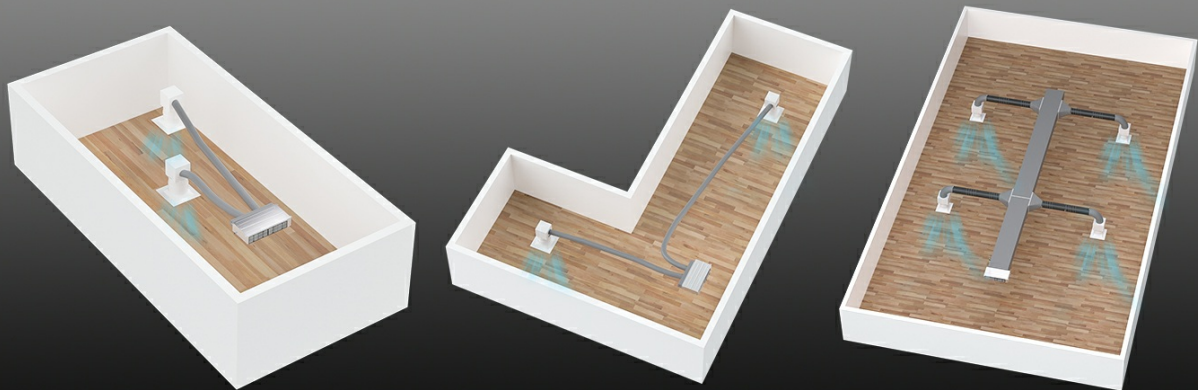
Floor-Standing



Figure 4.2: Space-saving design of the ceiling-concealed unit compared to wall-mounted and floor-standing air conditioners.

MULTI-DUCT FLEXIBILITY FOR ANY SPACE

Adjustable external static pressure allows for custom ductwork in various layouts for custom airflow.



Note: Ducts & Grilles Not Included

Figure 4.3: Multi-duct flexibility for various space layouts, demonstrating how adjustable external static pressure allows for custom ductwork and airflow distribution. Note: Ducts and grilles are not included.

4.2 Electrical Wiring

All electrical connections must comply with local and national electrical codes and be performed by a qualified electrician.

- Ensure all power sources are turned off before connecting any wires.
- Connect numbered wires from the indoor unit to the corresponding numbers in the outdoor unit's compartment.
- Connect the grounding wire (green to green).
- Connect power cables: black wire to letter N and red wire to letter L.

For a general understanding of wiring a mini-split unit, refer to the video below. Note that specific wiring diagrams for your TOSOT model should always be followed.

Video 4.1: General guide on how to wire a mini split unit. This video demonstrates the process of connecting electrical wires to the condenser, including grounding and power cables. Always consult your specific TOSOT manual for detailed wiring instructions.

4.3 Drainage System

The built-in water pump enables upward pipe routing, saving ceiling space and actively discharging condensation. A float switch monitors water levels and triggers an alarm if too high, preventing leaks.



Figure 4.4: Comparison of drainage systems. The TOSOT unit features an auto-drainage pump for upward pipe installation, reducing ceiling leak risks, unlike gravity drainage systems.

5. OPERATING INSTRUCTIONS

Your TOSOT Ducted Mini Split system offers multiple control options for optimal comfort.

TWO CONTROL OPTIONS



Figure 5.1: Two control options: a wired wall-mounted controller and a smartphone app for remote adjustments.

5.1 Wired Controller

The intuitive wired controller allows direct adjustment of settings such as temperature, mode, and fan speed.

5.2 Smart Control (App Control)

Utilize the dedicated app for remote adjustments and advanced features. This includes setting timers, activating dehumidification, and sleep mode. The app also supports Geo Location functions.

Video 5.1: Tutorial on setting up Geo Location functions via the app. This video explains how to configure your unit to respond to your arrival or departure from a preset location, enabling automated climate control.

5.3 Operating Modes

- **Cooling:** Provides powerful cooling with up to 1,324 CFM airflow.
- **Heating:** Delivers warmth efficiently, operating in conditions down to -13°F.
- **Energy-Saving Mode:** Automatically adjusts cooling to maintain comfort while reducing power consumption.
- **Dehumidification:** Reduces humidity levels in the space.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and reduced energy use.

- **Turbo Mode:** Provides rapid cooling or heating when quick temperature changes are desired.

COOLING FOR BIG SPACES

Large capacity with max 1,324 CFM airflow, great for small and medium-sized businesses.

33,600 ^{BTU}
Cooling

122 °F
Ambient Temp.

20
SEER2



Figure 5.2: The unit's cooling capacity for large spaces, highlighting 33,600 BTU cooling and 1,324 CFM airflow, suitable for ambient temperatures up to 122°F.

WARMTH IN SECONDS

Suitable for open layouts & large home spaces.

34,000 ^{BTU}
Heating

-13 °F
Ambient Temp.

8.5
HSPF



Figure 5.3: The unit's heating capacity for large home spaces, showing 34,000 BTU heating and efficient operation down to -13°F ambient temperature.

Video 5.2: Overview of the TOSOT Mini-Split Air Conditioner, highlighting its 24.0 SEER2 ENERGY STAR rating and features for efficient heating and cooling.

Video 5.3: Demonstration of a Central AC Heat Pump with Inverter Technology. This video illustrates how inverter technology contributes to energy efficiency and consistent temperature control in heating and cooling modes.

Video 5.4: Overview of the TOSOT Central Air Conditioner Heat Pump System, showcasing its capabilities for whole-home climate control.

Video 5.5: Demonstration of a Central AC Split System Heat Pump with Inverter technology, highlighting its ability to maintain stable temperatures and provide optimal comfort.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your unit.

6.1 Filter Cleaning

Regularly clean or replace air filters as per the instructions in the full user manual to maintain air quality and system efficiency.

6.2 General Cleaning

Wipe down the exterior of the indoor and outdoor units with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.3 Drainage System Check

Periodically inspect the drainage system for any blockages or leaks. The built-in pump helps prevent issues, but regular checks are recommended.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting tips. For complex problems, contact a certified technician.

Problem	Possible Cause	Solution
Unit not turning on	No power, circuit breaker tripped, remote control battery low	Check power supply, reset breaker, replace remote batteries
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant	Clean filters, clear obstructions, select correct mode, contact technician for refrigerant check
Unusual noise	Loose parts, fan obstruction, refrigerant flow noise (normal)	Check for loose parts or obstructions, if persistent or loud, contact technician
Water leakage	Blocked drain pipe, improper installation	Check and clear drain pipe, ensure proper slope, contact technician for installation review

8. SPECIFICATIONS

Feature	Detail
Brand	TOSOT
Model Info	SU-COSMO36D/I;SU-COSMO36-230/O
Cooling Power	34,000 British Thermal Units
Capacity	3 Tons
Voltage	230.0 V
Wattage	9965 W
Noise Level	36 Decibels
Product Dimensions	39.37 x 29.37 x 16.81 inches
Item Weight	248 pounds
Installation Type	Split System
Special Features	Fast Cooling, Heating & Cooling Function, Remote Controlled, WiFi Enabled
Seasonal Energy Efficiency Ratio (SEER)	14

Feature	Detail
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9. WARRANTY




Warranty information is typically provided with your product documentation. Please ensure that installation is carried out by certified technicians, as improper installation may void the warranty. Keep your purchase receipt and installation records for warranty claims.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or to inquire about service, please contact TOSOT customer support. Refer to the contact information provided in your product packaging or visit the official TOSOT website.

Related Documents - SU-COSMO36D/I;SU-COSMO36-230/O

 <p>TOSOT</p> <p>User Manual SPLIT AIR CONDITIONER</p> <p>Before handling and using your TOSOT Air Conditioner, please read this user manual in its entirety.</p> <p>MODEL NUMBERS</p> <p>SU-COSMO36D/I;SU-COSMO36-230/O</p>	<p>TOSOT Split Air Conditioner User Manual & Installation Guide</p> <p>Comprehensive user manual and installation guide for TOSOT Split Air Conditioners (Models SU-COSMO30-230, SU-COSMO36-230), covering safety precautions, installation steps, operation, maintenance, and warranty information.</p>
 <p>TOSOT</p> <p>User Manual SPLIT AIR CONDITIONER</p> <p>Before handling and using your TOSOT Air Conditioner, please read this user manual in its entirety.</p> <p>MODEL NUMBERS</p> <p>SU-COSMO30-230/1;SU-COSMO36-230/1</p>	<p>TOSOT Split Air Conditioner User Manual</p> <p>Comprehensive user manual for TOSOT Split Air Conditioners, models SU-COSMO30-230/1 and SU-COSMO36-230/1. Covers installation, operation, safety, maintenance, and troubleshooting.</p>
 <p>TOSOT</p> <p>User Manual SPLIT AIR CONDITIONER</p> <p>Before handling and using your TOSOT Air Conditioner, please read this user manual in its entirety.</p> <p>MODEL NUMBERS</p> <p>SU-COSMO30-230/1;SU-COSMO36-230/1</p>	<p>TOSOT Split Air Conditioner User Manual: Installation, Operation, and Maintenance</p> <p>Comprehensive user manual for TOSOT Split Air Conditioners. Provides essential information on safety precautions, installation guides, operation tips, care, maintenance, and troubleshooting for TOSOT air conditioning units.</p>

<div><p>User Manual SPLIT AIR CONDITIONER</p><p><small>Before installing and using your TOSOT Air Conditioner, please read this user manual in its entirety.</small></p><p>MODEL NUMBERS</p><table><tr><td>Indoor Unit</td><td>Outdoor Unit</td></tr><tr><td>SU-AORAKI36D</td><td>CU-AORAKI36D</td></tr><tr><td>SU-AORAKI48D</td><td>CU-AORAKI48D</td></tr><tr><td>SU-AORAKI60D</td><td>CU-AORAKI60D</td></tr><tr><td>SU-AORAKI72D</td><td>CU-AORAKI72D</td></tr><tr><td>SU-AORAKI96D</td><td>CU-AORAKI96D</td></tr></table></div>	Indoor Unit	Outdoor Unit	SU-AORAKI36D	CU-AORAKI36D	SU-AORAKI48D	CU-AORAKI48D	SU-AORAKI60D	CU-AORAKI60D	SU-AORAKI72D	CU-AORAKI72D	SU-AORAKI96D	CU-AORAKI96D	<p>TOSOT AORAKI Split Air Conditioner User Manual</p> <p>Comprehensive user manual for TOSOT AORAKI split air conditioners, covering installation, operation, safety precautions, maintenance, and troubleshooting. Includes model numbers SU-AORAKI series.</p>
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<div><p>User Manual Split-Type Floor-Standing Air Conditioner</p><p><small>Before installing and using your TOSOT Air Conditioner, please read this user manual in its entirety.</small></p><p>MODEL NUMBERS</p><p>SU-COSMO36FS/I</p></div>	<p>TOSOT Split-Type Floor-Standing Air Conditioner User Manual</p> <p>Comprehensive user manual for the TOSOT Split-Type Floor-Standing Air Conditioner, covering installation, operation, maintenance, safety precautions, and troubleshooting. Includes model SU-COSMO36FS/I.</p>												
<div><p>User Manual Ducted Type Indoor Unit</p><p>MODEL NUMBERS</p><p>SU-COSMO36D/I</p><p><small>Please refer to the following for product information. Please read the user manual carefully before operation and avoid the safety warnings.</small></p><p><small>Before installing and using your TOSOT Air Conditioner, please read this user manual in its entirety.</small></p></div>	<p>TOSOT SU-COSMO36D/I Ducted Type Indoor Unit User Manual</p> <p>This user manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the TOSOT SU-COSMO36D/I Ducted Type Indoor Unit. It covers safety precautions, refrigerant information, component identification, wiring, and error codes.</p>												