ROVSUN TSC-12HA1/I3XI22B-O

ROVSUN 12,000 BTU Mini Split AC/Heating System User Manual

Model: TSC-12HA1/I3XI22B-O

1. Introduction and Safety Information

This manual provides essential instructions for the installation, operation, and maintenance of your ROVSUN 12,000 BTU Mini Split AC/Heating System. Please read this manual thoroughly before using the appliance to ensure proper function and safety.

Important Safety Precautions:

- Professional licensed HVAC technician installation is recommended for optimal performance and safety.
- Ensure the power supply matches the unit's requirements (115V for this model).
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children away from the unit during operation and maintenance.

2. Package Contents

Your ROVSUN Mini Split AC/Heating System is shipped in two separate boxes. Please verify all components are present upon delivery. The power cord is not included and must be supplied separately.



Image: Package contents for the ROVSUN Mini Split AC/Heating System. Box 1 includes the indoor unit, remote control, batteries, instruction manual, mounting plate, screws, rubber feet, signal cable, and bracket template. Box 2 contains the outdoor unit, drain hose, sealing gum, wall cap, drain joint, tape, wall sleeve, insulation foam, and copper line set.

Box 1 Contents:

- Indoor Unit
- Remote Control
- 2 Batteries
- Instruction Manual
- Mounting Plate
- Screws
- Rubber Feet
- Signal Cable (19ft)
- Bracket Template

Box 2 Contents:

- Outdoor Unit
- Drain Hose (13.1ft)
- Sealing Gum
- Wall Cap
- Drain Joint
- Tape
- Wall Sleeve
- Insulation Foam
- Copper Line Set (16.4ft)

3. Setup and Installation

The ROVSUN Mini Split system is pre-charged up to 25 feet. Professional installation by a licensed HVAC technician is strongly recommended to ensure correct setup, optimal performance, and safety. Schedule installation after receiving both boxes.

Key Installation Considerations:

- **Power Supply:** This 12,000 BTU unit requires a 115V power supply. Ensure your electrical system can support this. An extra power cord is needed and not included.
- **Line Set:** The included copper line set is 16.4ft. Ensure this length is sufficient for your installation.
- **Mounting:** Utilize the provided mounting plate and bracket template for secure installation of the indoor unit.



Image: Illustration of the fast installation process, showing the indoor unit, mounting bracket, and supporters for convenient access.

4. Operating Instructions

Your ROVSUN Mini Split system offers versatile climate control with multiple operating modes and smart features.

Operating Modes:

- **Air Conditioning:** For cooling your space. Effective in temperatures up to 131°F.
- **Heat Pump:** For heating your space. Operates efficiently in temperatures as low as -13°F.
- **Dehumidifier:** Reduces humidity levels in the air.
- **Fan:** Circulates air without heating or cooling.
- **Turbo Function:** Provides accelerated cooling or heating for rapid temperature adjustment.



Image: The 4-in-1 multifunctional design, illustrating the system's capability for air conditioning, heating, fan operation, and dehumidification across extreme weather conditions.

Smart Features:

- **iFEEL Mode:** Adjusts temperature based on the remote control's sensor for localized comfort.
- **24-Hour Timer:** Program the unit to turn on or off automatically.
- **4-Way Wind Swing:** Allows for adjustable airflow direction.
- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep, reducing noise and energy consumption.
- **Mute Mode:** Operates at an ultra-quiet 27 dBa for minimal disturbance. The indoor unit's display can be turned off.



Image: A person sleeping, illustrating the ultra-quiet operation of the mini split system in mute mode, producing only 27 dBa of sound.

Use the provided remote control to access and adjust all settings and modes.



Image: A user comfortably operating the ROVSUN mini split AC unit with its remote control in a living room setting.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your ROVSUN Mini Split system.

Cleaning and Filter Maintenance:

- **Auto Clean Function:** The unit features an automatic defrosting and self-cleaning function. This process utilizes water molecules to clean away dust and impurities from the indoor unit's coils.
- **Easy-to-Remove Filter:** The air filter can be easily removed for cleaning. Regularly clean the filter to maintain air quality and system efficiency.



Image: Illustration of the auto clean feature, which defrosts and sterilizes, and the easy filter removal process for maintaining healthy air.

6. Troubleshooting

The ROVSUN Mini Split system includes a self-diagnosis feature to help identify potential issues.

Self-Diagnosis:

- The unit proactively identifies potential issues and displays a corresponding error code on the control panel. Refer to the full instruction manual for a list of error codes and their solutions.



Image: The indoor unit displaying an 'E4' error code, indicating the self-diagnosis feature is active.

If an error code appears or the unit is not functioning correctly, consult the detailed troubleshooting section in the complete manual or contact customer support.

7. Specifications

Detailed technical specifications for the ROVSUN 12,000 BTU Mini Split AC/Heating System.



Image: Detailed specifications and dimensions for the ROVSUN 12,000 BTU Mini Split AC/Heating System, including cooling/heating capacity, SEER2 rating, voltage, noise levels, and suitable area coverage.

Feature	Specification
Brand Name	ROVSUN
Model Info	TSC-12HA1/I3XI22B-O
Rated Cooling Capacity	12000 BTU
Rated Heating Capacity	12400 BTU
SEER2 Rating	23 SEER2
Voltage	115 Volts
Max. Fuse Size	25A

Feature	Specification
Indoor Noise Level (Cooling)	42/39/34/29/27 dB(A) (Turbo/High/Med/Low/Mute)
Connecting Pipe Length	16.4ft
Connecting Pipe (Gas)	3/8"
Connecting Pipe (Liquid)	1/4"
Suitable Area	Up to 550 sq.ft
Indoor Unit Net Weight	31.5 lbs
Outdoor Unit Net Weight	70.5 lbs
Outdoor Ambient Temperature (Cooling)	5-131°F
Outdoor Ambient Temperature (Heating)	-13-86°F
Product Dimensions (Indoor)	36.22"W x 12.05"H x 7.68"D
Product Dimensions (Outdoor)	31.88"W x 21.61"H x 12.00"D
Installation Type	Split System
Special Features	Heating And Cooling Function, Inverter Compressor, Energy Efficient, ECO mode, Sleep mode, Remote Control, 4 Way Swing, Dehumidifier, Fast Cooling, Turbo function, Auto-defrost

8. Warranty and Support

ROVSUN is committed to customer satisfaction. The system comes with a 100% satisfaction guarantee. For any issues or support needs, please refer to the contact information provided with your product documentation or visit the official ROVSUN website.

Return Policy:

A 30-day return policy is offered. During this period, ROVSUN covers shipping costs for returns and replacements under specific conditions, such as defective or damaged items. For returns due to reasons other than product quality, customers may be responsible for return shipping. Please contact customer service for detailed return instructions.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question