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TGM Dream Inverter 19

TGM Dream Inverter 19 SEER Mini-Split Air Conditioner User Manual

Model: Dream Inverter 19 | Brand: TGM

1. INTRODUCTION

Thank you for choosing the TGM Dream Inverter 19 SEER Mini-Split Air Conditioner. This system is designed to provide efficient cooling and heating for your space, offering maximum energy savings and an easy-to-clean design. This manual provides essential information for the safe installation, operation, and maintenance of your unit. Please read it thoroughly before using the appliance and retain it for future reference.

Safety Information

- Always ensure the unit is properly grounded.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit.
- Ensure proper ventilation around the outdoor unit.
- Turn off the power supply before any cleaning or maintenance.

2. PRODUCT COMPONENTS

The TGM Dream Inverter 19 SEER Mini-Split Air Conditioner system includes the following main components and accessories:

- Indoor Evaporator Unit
- Outdoor Condenser Unit
- Remote Control and Holder
- 9-foot Aluminum Tube Kit
- Neoprene Clay
- Protective PVC Cover
- Vinyl Tape

- Vibration Pads
- Wiring and other installation hardware



This image displays the complete TGM Dream Inverter 19 SEER Mini-Split Air Conditioner system, including the indoor evaporator unit, the outdoor condenser unit, the remote control, and various installation components such as tubing, wiring, and mounting hardware.

3. SETUP AND INSTALLATION

Installation of a mini-split air conditioner requires specialized knowledge and tools. It is highly recommended that installation be performed by a certified HVAC professional to ensure proper functioning, safety, and warranty validity. Incorrect installation can lead to refrigerant leaks, electrical shock, fire, or water damage.

Key Installation Considerations:

- **Location:** Select appropriate locations for both the indoor and outdoor units, ensuring adequate clearance for airflow and maintenance.
- **Mounting:** Securely mount the indoor unit to a wall and the outdoor unit on a stable, level surface using the provided vibration pads to minimize noise.

- **Refrigerant Lines:** Connect the indoor and outdoor units using the 9-foot aluminum tube kit. Ensure all connections are tight and properly sealed with neoprene clay and vinyl tape to prevent leaks.
- **Electrical Wiring:** Connect the power supply and communication wiring according to local electrical codes and the wiring diagram provided in the full installation manual. The unit operates on 220V AC power.
- **Drainage:** Install the condensate drain line from the indoor unit with a proper slope to allow for gravity drainage.
- **Vacuum and Charge:** A vacuum pump must be used to evacuate the refrigerant lines before releasing refrigerant. The system comes pre-charged, but additional refrigerant may be needed depending on line length.



The front view of the TGM Dream Inverter 19 SEER outdoor condenser unit, showing the protective grille and the TGM DC Inverter branding. This unit houses the compressor and fan.

4. OPERATING INSTRUCTIONS

Your TGM Dream Inverter 19 SEER Mini-Split Air Conditioner is controlled via the included wireless remote control. Ensure batteries are installed correctly in the remote.

Remote Control Functions:

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Cool, Heat, Fan, Dry, Auto.

- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature.
- **Fan Speed:** Adjusts the fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the louver movement for optimal air distribution.
- **Timer Function:** Set the unit to turn ON or OFF automatically after a specified period.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.



A close-up view of the TGM Dream Inverter 19 SEER indoor unit, highlighting its sleek design and air outlet. This unit is responsible for circulating conditioned air within the room.

Operating Modes:

- **Cool Mode:** For cooling the room. Set desired temperature.
- **Heat Mode:** For heating the room. Set desired temperature.
- **Fan Mode:** Circulates air without cooling or heating.
- **Dry Mode:** Reduces humidity in the room.
- **Auto Mode:** The unit automatically selects the appropriate mode (Cool, Heat, or Fan) based on the room temperature and your set temperature.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your TGM Dream Inverter 19 SEER unit. Always disconnect power before performing any maintenance.

Indoor Unit Maintenance:

- **Air Filter Cleaning:** The air filters should be cleaned every two weeks or more frequently depending on usage. Open the front panel, remove the filters, wash them with lukewarm water and mild detergent, rinse thoroughly, and let them dry completely before reinserting.
- **Surface Cleaning:** Wipe the indoor unit's surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Outdoor Unit Maintenance:

- **Coil Cleaning:** The outdoor unit features a gold fin coating for advanced corrosion protection and improved heat transfer. Periodically inspect the outdoor coil for dirt and debris. Gently clean with a soft brush or water hose. Avoid bending the fins.
- **Clearance:** Ensure that there are no obstructions around the outdoor unit that could impede airflow.
- **Drainage:** Check the condensate drain line for blockages.



A side view of the TGM Dream Inverter 19 SEER outdoor unit, revealing the heat exchange coils with their distinctive gold fin coating, designed for enhanced corrosion protection and improved heat transfer efficiency.

6. TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries dead; Circuit breaker tripped	Check power connection; Replace remote batteries; Reset circuit breaker
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Incorrect temperature setting; Doors/windows open	Clean air filters; Clear obstructions; Adjust temperature; Close doors/windows
Unusual noise	Loose parts; Unit not level; Debris in fan	Check for loose components; Ensure unit is level; Inspect for debris (disconnect power first)
Water leakage from indoor unit	Blocked drain pipe; Unit not level	Clear drain pipe; Ensure unit is level

If the problem persists after attempting these solutions, please contact a qualified service technician or TGM customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	TGM
Model Name	Dream Inverter 19
Cooling Capacity	12,000 BTU (1 Ton)
SEER Rating	19
Voltage	220 Volts
Power Source	AC
Special Feature	Heating and Cooling Function
Noise Level	56 Decibels
Item Weight	38.56 kg (85 Pounds)
Certifications	AHRI and ETL Certified
Corrosion Protection	Gold Fin Coating on Condenser Unit

8. WARRANTY AND SUPPORT

The TGM Dream Inverter 19 SEER Mini-Split Air Conditioner comes with a Limited Warranty. Specific terms and conditions of the warranty are provided with your purchase documentation. Please retain your proof of purchase for warranty claims. For technical support, service inquiries, or to obtain detailed warranty information, please contact TGM customer service. Refer to the contact information provided in your product packaging or visit the official TGM website.