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> DELLA Vario Series Mini Split Air Conditioner User Manual

Della 048-TL-9K1V-19S-I+O

DELLA Vario Series Mini Split Air Conditioner User Manual

Model: 048-TL-9K1V-19S-I+O

1. PRODUCT OVERVIEW

The DELLA Vario Series Mini Split Air Conditioner is an energy-efficient ductless inverter system designed to provide both cooling and heating for your space. This 9000 BTU/h unit, with a 19 SEER2 rating, operates on 110-120V and is suitable for areas up to 400 sq. ft. It features advanced DC Inverter technology for up to 30% power savings and can function in temperatures as low as -4°F (-20°C).



Image 1.1: The DELLA Vario Series Mini Split Air Conditioner, showcasing both the indoor and outdoor units, along with the remote control and a smartphone displaying the control app.

Key features include 4D airflow control (up-down, left-right), an "I Feel" mode for personalized comfort, a 24-hour timer, sleep mode, and an eco energy-saving mode. The system also offers multiple fan speeds, a turbo function, and dry modes for dehumidification. Its quiet operation, at only 41 dBa, ensures minimal disturbance.

Powered by
MightyAir X

Top Performance,
Energy-Smart Design!

36% More efficient
energy saving

Image 1.2: An illustration demonstrating the energy efficiency of the 19 SEER2 system compared to a 14 SEER2 system, highlighting a 36% energy saving.

The unit is designed for optimal performance and user convenience, integrating smart sensor technology and compatibility with smart home systems for enhanced control.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this appliance. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- Ensure the unit is properly grounded to prevent electrical shock.
- Do not operate the unit with wet hands or in wet conditions.
- Keep children and pets away from the unit during operation.
- Do not insert objects into the air outlet or inlet.
- Turn off the power supply before cleaning or performing any maintenance.
- This system requires professional installation. It is not a DIY mini split AC.

For detailed safety guidelines, refer to the full PDF user manual available on the product's Amazon page.

3. SETUP AND INSTALLATION

The DELLA Vario Series Mini Split Air Conditioner comes with a full installation kit. Due to the complexity of refrigerant handling and electrical connections, professional installation is mandated for this system. Line-set vacuuming is required during installation, and any alteration of line-set length necessitates adjusting freon levels.

Components Included:



Image 3.1: An exploded diagram illustrating all components included with the DELLA Mini Split system, such as the indoor unit, outdoor unit, refrigerant pipe, remote control, and various installation accessories.

1. Indoor Unit
2. Outdoor Unit
3. Refrigerant Pipe (Standard size 1/4" & 3/8" outer dimension copper pipes)
4. Drain Lines (Length for drain pipe is 78.7")
5. Remote Control
6. Rubber Feet
7. Insulation Foam
8. Mounting Plate
9. AAA Batteries (2)
10. Drain Elbow
11. Wall Sleeve
12. Plasticine Putty
13. Screws

14. Anchors
15. Wall Cap
16. Plastic Wrap
17. Communication Cable
18. Bracket Template

Consult with a certified HVAC professional for proper installation to ensure optimal performance and safety.

4. OPERATING INSTRUCTIONS

Your DELLA Vario Series Mini Split Air Conditioner is designed with several smart functions for ease of use and comfort. The unit can be controlled via the included remote control or through the Della+ smart app.

Operating Modes:

- **Cool Mode:** Provides cooling for your space.
- **Heat Mode:** Provides heating, effective in temperatures as low as -4°F (-20°C).
- **Dry Mode:** Dehumidifies the air.
- **Fan Mode:** Circulates air without heating or cooling.
- **Eco Mode:** Optimizes energy savings while maintaining comfort.

Smart Functions:

- **4D Airflow:** Adjusts airflow both horizontally (left-right) and vertically (up-down) for even distribution.
- **"I Feel" Mode:** The unit senses the room temperature at the remote control's location, adjusting airflow and temperature for personalized comfort and energy savings.
- **24-Hour Timer:** Set specific times for the unit to turn on or off.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep, with ultra-quiet operation at 41 dBa.
- **Turbo Function:** Provides rapid cooling or heating when needed.
- **Multiple Fan Speeds:** Choose from various fan speeds to suit your preference.

App Control (Della+):

Control your unit effortlessly using the free Della+ app, available for download from app stores. The app offers a sleek, user-friendly interface and integrates with Google Assistant and Alexa for voice control.

We work remotely, too.

Use Our Smart App For Complete Wireless Control.



Image 4.1: A smartphone displaying the Della+ app interface, showing various control options for the mini split unit.

- **Smart Geo Location:** Automatically adjusts AC settings based on your location, even hands-free while driving.
- **Schedules & Timer:** Set detailed schedules or countdown timers for automated operation.
- **Voice Control:** Seamlessly integrate with voice assistants like Alexa for convenient control.

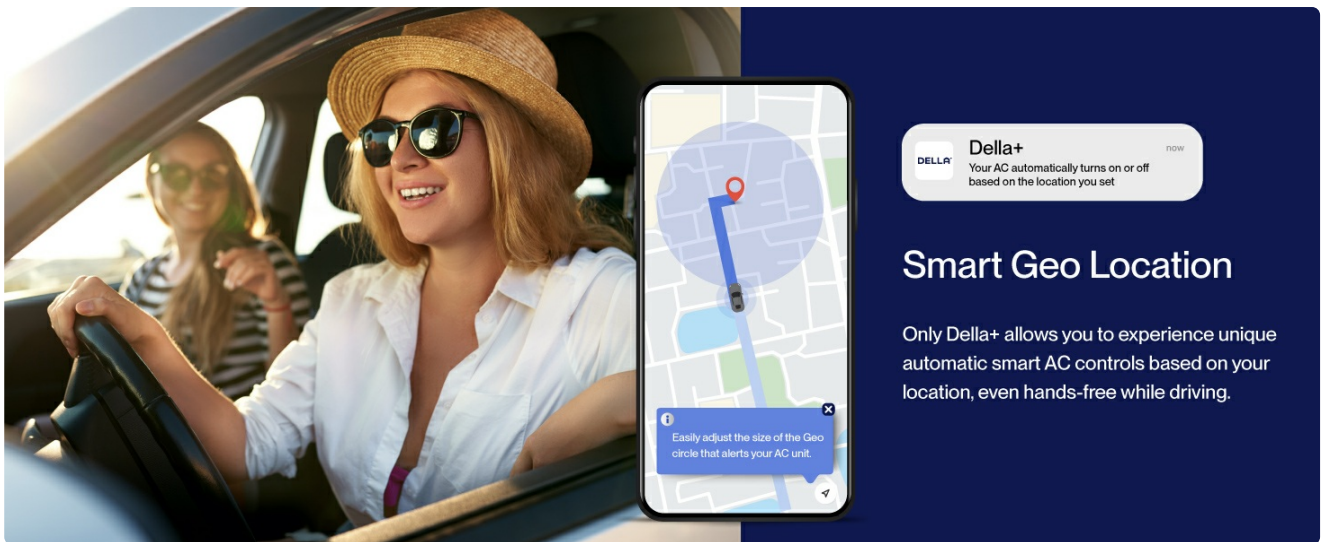


Image 4.2: An illustration of the Smart Geo Location feature within the Della+ app, showing how the AC unit can automatically adjust based on the user's proximity.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your DELLA Mini Split Air Conditioner. Always disconnect power to the unit before performing any maintenance.

Filter Cleaning:

- Clean the air filter every 3-6 months, or more frequently depending on usage and air quality.
- The filter is delicate but easy to wash. Use mild soap and water, then allow it to air dry completely before reinserting.

General Care:

- Keep the indoor and outdoor units clean and free from obstructions.
- The unit features a gold-plated fin to prevent rust corrosion, contributing to durable and efficient performance.
- PureClean tech helps prevent dust buildup and defrosts the indoor unit, ensuring cleaner air.

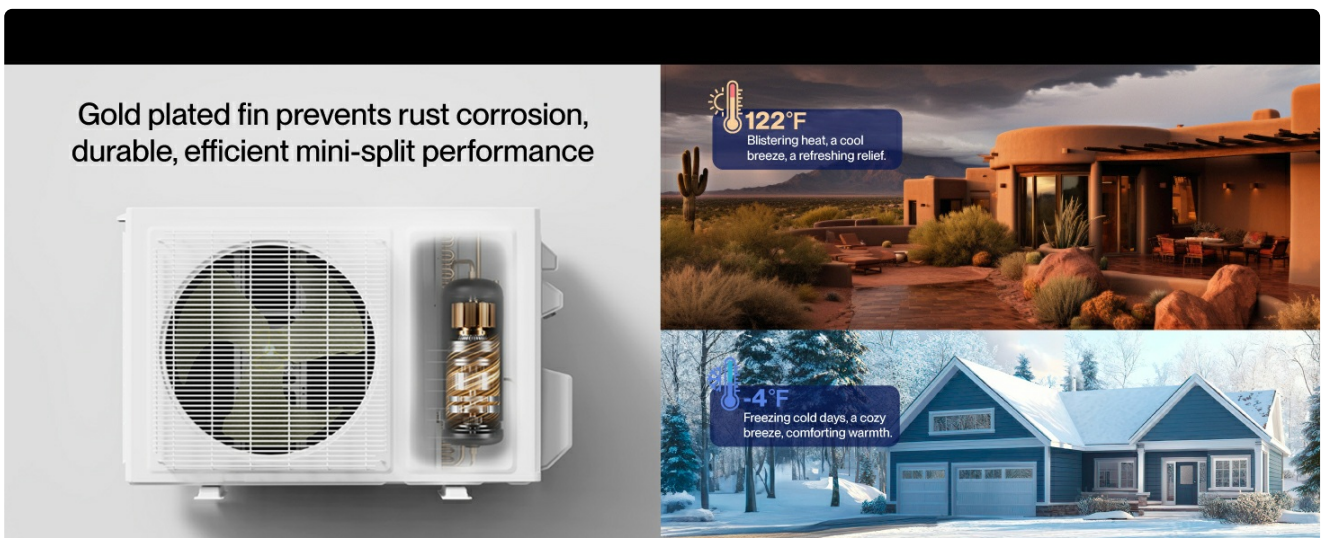


Image 5.1: An illustration highlighting the gold-plated fin within the outdoor unit, designed to prevent rust and corrosion for enhanced

durability.

Cleaner Air, Healthier Living

PureClean tech stops dust buildup and defrosts your indoor unit, keeping your air fresher with advanced sterilization.



Image 5.2: A cutaway view of the indoor unit, demonstrating the PureClean technology that prevents dust buildup and aids in defrosting for cleaner air.

6. TROUBLESHOOTING

If you encounter issues with your DELLA Mini Split Air Conditioner, refer to the following common troubleshooting steps. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; circuit breaker tripped; remote control batteries dead.	Check power connection; reset circuit breaker; replace remote control batteries.
Insufficient cooling/heating.	Dirty air filter; blocked outdoor unit; incorrect mode setting; low refrigerant.	Clean air filter; clear obstructions from outdoor unit; select correct mode; contact professional for refrigerant check.
Unusual noise.	Loose parts; foreign object in fan; unit not level.	Check for loose parts; inspect fan for obstructions; ensure unit is level. If noise persists, contact support.
Water leakage from indoor unit.	Clogged drain pipe; improper installation.	Check and clear drain pipe; contact professional for installation inspection.

For error codes or persistent issues, refer to the detailed troubleshooting section in the complete user manual or contact DELLA customer support.

7. SPECIFICATIONS

Detailed technical specifications for the DELLA Vario Series 9000 BTU Mini Split Air Conditioner.



Image 7.1: A diagram showing the dimensions of both the indoor and outdoor units, alongside key performance specifications.

Specification	Value
Brand Name	Della
Model Info	048-TL-9K1V-19S-I+O
Cooling Capacity	9000 BTU/h
Heating Capacity	10000 BTU/h
Power Supply	115V / 60Hz / 1PH
Max Input Power	840 W
Air Flow Volume	600 m ³ /h
Max. Fuse Size	25A

Specification	Value
Item Weight	53 pounds
Product Dimensions (Indoor Unit)	31.92"W x 8.07"D x 11.49"H
Product Dimensions (Outdoor Unit)	28.14"W x 11.42"D x 19.61"H
Efficiency	19 SEER2
Noise Level	41 dB
Installation Type	Split System
Special Features	Dehumidifier, Remote Controlled
Color	White
Floor Area Coverage	Up to 400 Square Feet

8. WARRANTY AND SUPPORT

DELLA is committed to providing reliable products and excellent customer service. Your DELLA Vario Series Mini Split Air Conditioner comes with comprehensive support.

Lifetime Coverage

Unmatched Warranty Gives You Peace of Mind



Best In-Class



No Additional Costs



Customer Support



Image 8.1: An image illustrating the "Lifetime Coverage" and "24/7 Customer Support" offered by DELLA, emphasizing peace of mind for the user.

Warranty Information:

While specific warranty terms should be confirmed with DELLA directly, the product is advertised with "Lifetime Coverage" and "No additional costs" for support, indicating a strong commitment to product reliability and customer satisfaction.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact DELLA customer support. They offer phone support and live chat services.

- **Phone Support:** Available 6am-4pm PST.
- **Live Chat:** Available 24/7.

You can find contact details on the official Della website or through the Della+ app.

