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› DELLA Vario Series 36,000 BTU 3 Ton 19 SEER2 Ductless Mini Split AC User Manual

Della TL-36K2VB-19S-I+O

DELLA Vario Series 36,000 BTU 3 Ton 19 SEER2 Ductless Mini Split AC User Manual

Model: TL-36K2VB-19S-I+O | Brand: Della

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your DELLA Vario Series 36,000 BTU 3 Ton 19 SEER2 Ductless Mini Split AC. This energy-efficient inverter system with a pre-charged heat pump is designed to cool and heat spaces up to 2500 Sq. Ft, even in extreme temperatures as low as -4°F (-20°C). It features smart functions like 4D airflow, "I Feel" mode, 24-hour programmable timer, sleep mode, eco energy-saving mode, multiple fan speeds, turbo function, and dedicated heating, cooling, drying, and dehumidification modes. The unit operates quietly at sound levels as low as 36dBa.



The DELLA Vario Series 36,000 BTU Mini Split AC system.

2. SAFETY INFORMATION

WARNING: This system mandates professional installation. It is not a DIY mini split AC. Attempting self-installation may void warranty and lead to electric shock, fire, or other hazards.

Proposition 65 Warning: This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always ensure the main power supply to the unit is disconnected before performing any installation, maintenance, or troubleshooting procedures.

3. PRODUCT COMPONENTS

Your DELLA Vario Series Mini Split AC comes with the following main components and accessories:



Detailed view of the DELLA Mini Split AC components.

1. Indoor Unit
2. Outdoor Unit
3. Refrigerant Pipe (Line Set)
4. Drain Lines
5. Remote Control
6. Rubber Feet
7. Insulation Foam
8. Mounting Plate
9. AAA Batteries (for remote)
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

4. SETUP AND INSTALLATION

Professional installation is required for this unit. The following steps provide an overview of the installation process. Always refer to the detailed instructions in the official user manual (PDF link available in Section 7) and consult with a qualified HVAC technician.

4.1 Pre-Installation Checklist

- **Installation Location:** Ensure the indoor unit is at least 6 inches below the ceiling for proper airflow. Verify proper clearances for your specific model in the user manual's Installation Preview Section. Keep the unit within the specified piping length and maximum elevation.
- **Wall Sturdiness:** Test the wall to ensure it is sturdy enough to hold the indoor unit's weight without vibrating.
- **Clearance:** Keep the inlet and outlet clear of any obstructions.
- **Appliance Interference:** Install the indoor unit 10 feet (3 meters) away from any TV or radio appliances to prevent interference.
- **Outdoor Unit Placement:** The outdoor unit must be spaced away from the wall. Ensure no plants or objects are within 3 feet of the appliance.

4.2 Indoor Unit Installation

1. **Marking Locations:** Use the provided template to mark locations for the line set wall hole and the mini split bracket.
2. **Mounting Bracket:** Use the provided screws to securely attach the mini split bracket to the wall. Use a leveler to ensure the bracket is correctly aligned.
3. **Running Lines:** Route the line set, drain hose, and electrical wiring through the wall opening.
4. **Mounting Unit:** Securely mount the mini split unit onto the bracket.
5. **Taping Lines:** Tape the drain hose and line sets together for a neat and organized installation.
6. **Zip-Tying Wires:** Use zip ties to secure the electrical wires around the taped line sets and drain hose.

4.3 Outdoor Unit Installation

1. **Positioning:** Position the outdoor condenser unit in its designated location.
2. **Access Covers:** Remove the cover of the electrical compartment and valve covers.
3. **Connecting Line Set:** Connect the unit line set to the condenser line set and secure it firmly. If available, use a digital torque wrench to verify that the line sets are securely tightened according to specifications.
4. **Electrical Wiring:** Ensure the outlet box is powered off before proceeding. First, connect the ground wire (green), followed by the line (black) and neutral (red) wires to their corresponding terminals on the outdoor condenser.
5. **Vacuuming the System:** Ensure you have the appropriate vacuum equipment. Connect the hose from the outdoor condenser unit to the gauge. Properly connect the hose from the vacuum to the gauge. Open the valves on the gauge and activate the vacuum. Monitor the micron reading closely and close the valves once it reaches 350. Turn off the vacuum pump.
6. **Power On & Initial Startup:** Restore power to the outlet. Activate the mini split unit and set it to the lowest cooling setting. Allow a few minutes for the outdoor condenser fan to initiate. Use a service wrench to gradually open the high side (top) valve. Monitor the gauge closely as the readings will decrease into the negative range.

After opening the high side valve, promptly proceed to open the low side (bottom) valve. Monitor the gauge closely as the readings will increase, which is expected.

Video: Install Your DELLA Mini Split Unit. This video demonstrates the step-by-step process of installing the mini split unit, including mounting, connecting lines, and electrical wiring.

Video: 5 Urgent Steps Need to Know Before Installing Della Mini Split. This video highlights critical considerations and steps for a successful mini split installation.

5. OPERATING INSTRUCTIONS

Your DELLA Mini Split AC can be controlled via the included remote control or the DELLA+ smart app.

5.1 Remote Control

The Perfect Fit for Every Home, Budget

Econo	Motto	Vario	TP
SEER2 17	SEER2 17-20	SEER2 19-23	SEER2 23-24
Refrigerant R32	Refrigerant R32	Refrigerant R454B	Refrigerant R454B
Climate Range 5 °F ~ 122 °F	Climate Range 19 °F ~ 118 °F	Climate Range -4 °F ~ 122 °F	Climate Range -13 °F ~ 131 °F
Rebate ●	Rebate ●	Rebate ●	Rebate ●
Energy Saving ★★★★	Energy Saving ★★★★	Energy Saving ★★★★	Energy Saving ★★★★★

*Climate Range Operation: More Stars, More Extreme Temperatures



Remote control for DELLA Vario Series Mini Split AC.

- **On/Off:** Power the unit on or off.

- **Mode:** Switch between Cool, Heat, Dehumidify, Fan Only, and Auto modes.
- **Temp Up/Down:** Adjust the desired temperature.
- **Fan Speed:** Select desired fan speed (multiple speeds available).
- **Swing:** Control vertical and horizontal airflow direction (4D airflow).
- **Sleep Mode:** Activates a quiet, energy-saving mode for nighttime.
- **Turbo Function:** Provides rapid cooling or heating.
- **Eco Mode:** Optimizes energy savings.
- **Timer Setting:** Program the unit to turn on/off at specific times.
- **"I Feel" Mode:** Senses room temperature at the remote control for precise comfort.
- **Display Light:** Turn the unit's display light on or off.
- **PureClean:** Activates the self-cleaning function.

5.2 Smart App Control (DELLA+)



DELLA+ Smart App for remote control and advanced features.

The DELLA+ app allows for complete wireless control of your unit, offering a sleek, user-friendly interface. It works

with Google Assistant and Alexa for voice control.

- **Remote Temperature Control:** Adjust temperature from anywhere.
- **Mode Selection:** Easily switch between cooling, heating, dehumidifying, and fan-only modes.
- **Fan Speed Adjustment:** Choose from multiple fan speeds for optimal comfort.
- **Sleep Mode:** Activate for quiet, energy-efficient operation during sleep.
- **Airflow Control:** Adjust vertical and horizontal swing for 4D airflow.
- **Scheduling:** Set daily or weekly schedules for automated operation.
- **Timer:** Set a countdown timer for the unit to turn on or off.
- **Eco Mode:** Enable for enhanced energy savings.
- **Smart Geo Location:** (If supported by app version) Automatically turns the AC on/off based on your location.
- **Voice Control:** Seamlessly integrates with Alexa and Google Assistant for hands-free operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DELLA Mini Split AC.

- **PureClean Function:** Utilize the PureClean tech (accessible via remote or app) which stops dust buildup and defrosts your indoor unit, keeping your air fresher with advanced sterilization.
- **Filter Cleaning:** Regularly clean the air filters in the indoor unit to maintain air quality and efficiency. Refer to the detailed instructions in the full user manual for filter removal and cleaning procedures.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser unit clear of debris, leaves, and other obstructions to ensure proper airflow and heat exchange.

7. TROUBLESHOOTING

If you encounter issues with your unit, please refer to the troubleshooting section in the full user manual. Here are some general tips:

- **No Power:** Check if the unit is properly plugged in and if the circuit breaker has tripped.
- **Not Cooling/Heating Effectively:** Ensure the correct mode is selected and the temperature setting is appropriate. Check if air filters are clean and not obstructed. Verify that outdoor unit is not blocked.
- **Unusual Noises:** Minor noises during operation are normal. If loud or unusual noises occur, power off the unit and contact a professional technician.
- **Water Leakage:** Check the drain hose for kinks or blockages. Ensure the indoor unit is properly leveled.

For complex issues, always contact a qualified HVAC technician. Do not attempt to repair the unit yourself.

8. SPECIFICATIONS

Feature	Specification
Brand Name	Della
Model Info	TL-36K2VB-19S-I+O
Cooling Capacity	36,000 BTU/h (3 Tons)
Heating Capacity	36,000 BTU/h

Feature	Specification
SEER2 Rating	19 SEER2
Voltage	208-230V / 60Hz / 1PH
Max Input Power	3850W
Max Fuse Size	30A
Noise Level	36 dB
Coverage Area	Up to 2500 Sq. Ft
Operating Temperature (Heat Pump)	Down to -4°F (-20°C)
Installation Kit Length	16.4 ft
Item Weight	39.7 pounds
Product Dimensions (Indoor)	10.25 x 46.94 x 14.19 inches



Dimensions of the DELLA Vario Series Mini Split AC units.

9. WARRANTY AND SUPPORT

DELLA offers unmatched support for your peace of mind. This product comes with a Lifetime Coverage warranty, ensuring no additional costs for eligible issues.

For any questions or assistance, please contact DELLA customer support. They offer phone support and 24/7 live chat.

For a more detailed guide, you can download the official User Manual (PDF)[here](#).