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## Della IF-23K2VR-17S-I+O

# DELLA Econo Series 23000 BTU Mini Split Air Conditioner User Manual

Model: IF-23K2VR-17S-I+O | Brand: Della

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DELLA Econo Series 23000 BTU Mini Split Air Conditioner. This unit offers energy-efficient cooling and heating for spaces up to 1500 sq. ft., featuring 17 SEER2 efficiency, a heat pump, and smart control capabilities.

Please read this manual thoroughly before installation and operation, and retain it for future reference.

## SAFETY INFORMATION

**Professional Installation Required:** This system mandates professional installation. It is not a DIY mini split AC. Improper installation can lead to electric shock, fire, serious injury, or death. Always consult with a qualified HVAC technician for installation.

**Electrical Safety:** Ensure the power supply matches the unit's requirements (230V). Maximum Fuse Size is 25A. All electrical wiring must comply with local and national electrical codes.

**Refrigerant Handling:** The unit is pre-charged. No refrigerant adjustment is needed if the tube is under 25 ft. Over 25 ft requires adjustment according to the manual. Refrigerant handling should only be performed by certified professionals.

### General Precautions:

- Do not insert fingers or objects into the air inlet/outlet.
- Keep children away from the unit.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Ensure proper ventilation around the outdoor unit.

## PRODUCT COMPONENTS

Your DELLA Econo Series Mini Split Air Conditioner package includes the following items:

- Indoor Unit
- Outdoor Unit
- Remote Control
- Installation Kit (Standard size 1/4" & 1/2" outer dimension copper pipes)
- Manual

# Lifetime Coverage

## Unmatched Warranty Gives You Peace of Mind



Best In-Class



No Additional Costs



Customer Support



Image: All components of the DELLA Econo Series Mini Split Air Conditioner, including indoor unit, outdoor unit, remote control, and installation accessories.

## SETUP AND INSTALLATION

**Important:** This system requires professional installation. The following steps are for informational purposes only and should be performed by a qualified technician.

- 1. Prepare the Installation Area:** Use the provided template to mark locations for the line set wall hole and the mini split bracket.
- 2. Mount the Indoor Unit Bracket:** Securely attach the mini split bracket to the wall using the provided screws. Ensure the bracket is properly leveled.
- 3. Route Line Set and Electricals:** Run the line set, drain hose, and electrical wiring through the wall opening.
- 4. Mount Indoor Unit:** Securely mount the mini split indoor unit onto the bracket.
- 5. Tape Connections:** Tape the drain hose and line sets together for a neat and organized installation. Use zip ties to secure electrical wires around the taped line sets and drain hose.
- 6. Position Outdoor Condenser:** Place the outdoor condenser unit in its designated location.
- 7. Connect Line Set to Condenser:** Remove electrical port and valve covers. Connect the unit line set to the condenser line set and tighten down firmly. If available, use a digital torque wrench to verify secure tightening.
- 8. Electrical Connections:** Connect the red power cable to the lower L2 power block on the condenser, the black power cable to the lower L1 power block, and the green ground cable to the condenser. Ensure each wire is connected to its correlating number and letter on the wire block.
- 9. Vacuum and Refrigerant:** 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 valves on the gauge and activate the vacuum. Monitor the micron reading closely and close valves once it reaches 350. Turn off the vacuum pump.
- 10. Activate Unit:** Restore power to the outlet. Turn the mini split unit on and set it to the lowest cold setting. Allow a few minutes for the outdoor condenser fan to start.
- 11. Open Valves:** Use a service wrench and slowly open the High Side (Top Valve). Monitor the gauge as numbers will drop into the negative (this is expected). After opening the High Side valve, quickly open the Low Side (Bottom Valve).

Your browser does not support the video tag.

Video: Detailed guide on how to install your DELLA Mini Split Unit. This video covers mounting, wiring, and refrigerant line connections.

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Video: Important steps to know before installing your Della Mini Split, focusing on critical pre-installation checks.

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Video: Instructions on how to correctly wire your Della mini split unit for safe and proper operation.

## OPERATING INSTRUCTIONS

Your DELLA Mini Split AC offers various modes and controls for optimal comfort.

### Remote Control Operation

The unit comes with a remote control for convenient adjustments. The remote allows you to:

- Turn the unit On/Off.
- Adjust temperature (61°F to 88°F).

- Select operating modes: Auto, Cool, Heat, Dry (dehumidifying), Eco Energy Saving.
- Control fan speeds: Multiple settings including Quiet, Low, Mid, High, Turbo.
- Set 4D air flow (up-down, left-right).
- Activate "I Feel" mode (senses room temperature at the remote).
- Set 24-hour timer and Sleep mode.

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Video: Demonstrates the remote control functions and various modes of the Della Mini Split AC.

## Smart App & Voice Control

The DELLA Econo Series is Wi-Fi enabled and compatible with Alexa and Google Assistant, allowing for remote control via a dedicated app.

- **Remote Access:** Control your unit from anywhere with internet access.
- **Scheduling:** Set custom schedules and timers for operation.
- **Voice Commands:** Use voice assistants to adjust settings hands-free.
- **Geo-Location:** Some app features may allow automatic adjustments based on your location.

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Video: Overview of the Della Mini Split app (version 3.0) and its smart control features.

## MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your mini split unit.

- **Filter Cleaning:** Regularly clean the dust filter in the indoor unit to maintain air quality and efficiency.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser free from debris, leaves, and other obstructions to ensure proper airflow.
- **Professional Check-ups:** Schedule annual professional maintenance to inspect refrigerant levels, electrical connections, and overall system health.
- **PureClean Tech:** The unit features PureClean tech to stop dust buildup and defrost the indoor unit, keeping air fresher.

## TROUBLESHOOTING

If you encounter issues with your DELLA Mini Split AC, consider the following common troubleshooting steps:

- **Unit Not Turning On:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient Cooling/Heating:** Verify temperature settings, ensure filters are clean, and check for any obstructions to airflow in both indoor and outdoor units.
- **Unusual Noises:** Minor operational noises are normal (e.g., refrigerant flow). If loud or unusual noises occur, contact customer support.

- **Water Leakage:** Check the drain hose for blockages or improper installation.
- **App Connectivity Issues:** Ensure your Wi-Fi network is stable and the unit is within range. Follow app instructions for re-pairing if necessary.

For persistent issues, please refer to the warranty and support section.

## SPECIFICATIONS

Feature	Detail
Brand	Della
Model Number	IF-23K2VR-17S-I+O
Cooling Capacity	23000 BTU/h
Heating Capacity	22400 BTU/h
SEER2 Rating	17
Voltage	230 Volts
Coverage Area	Up to 1500 Sq. Ft.
Noise Level	As low as 37 dBA
Special Features	Dust Filter, Remote Controlled, Sleep Mode, 4D Air Flow, Wi-Fi Enabled, Alexa Compatible
Item Weight	101.4 pounds
Product Dimensions	8.66 x 39.76 x 12.4 inches

# The Perfect Fit for Every Home, Budget

Econo	Motto	Vario	Serena
SEER2 17	SEER2 17-20	SEER2 19-23	SEER2 22
Refrigerant R32	Refrigerant R32	Refrigerant R454B	Refrigerant R32
Climate Range 5 °F ~ 122 °F	Climate Range 19 °F ~ 118 °F	Climate Range -4 °F ~ 122 °F	Climate Range 5 °F ~ 125 °F
Rebate •	Rebate •	Rebate •	Rebate •
Energy Saving ★ ★ ★ ★	Energy Saving ★ ★ ★ ★	Energy Saving ★ ★ ★ ★ ★	Energy Saving ★ ★ ★ ★ ★

\*Climate Range Operation: More Stars, More Extreme Temperatures



Image: Detailed dimensions and specifications of the DELLA Econo Series Mini Split Air Conditioner units.

## WARRANTY AND SUPPORT

DELLA offers comprehensive support for your product:

- **Lifetime Coverage:** Unmatched warranty for peace of mind.
- **Customer Support:** Available 24/7 via live chat. Phone support is available Monday-Friday, 6 AM - 4 PM PST.

For assistance, please refer to the contact information provided with your product documentation or visit the official Della website.

## Related Documents - IF-23K2VR-17S-I+O

	<p><a href="#"><u>Della Econo (IF) Series Air Conditioner Installation and Operation Manual</u></a></p> <p>Comprehensive instruction and installation guide for Della Econo (IF) Series mini-split air conditioners, detailing setup, safety precautions, operational modes, and maintenance procedures.</p>
	<p><a href="#"><u>DELLA Mini-Split Air Conditioner User's Manual</u></a></p> <p>Comprehensive user's manual for DELLA Mini-Split Air Conditioners, covering product specifications, safety precautions, operation, installation, maintenance, and troubleshooting for models 048-IF-11K1V-17S, 048-IF-11K2V-17S, 048-IF-16K2V-17S, and 048-IF-22K2V-17S.</p>
	<p><a href="#"><u>Della Mini-Split Air Conditioner User Manual</u></a></p> <p>Comprehensive user manual for Della mini-split air conditioners, covering product specifications, safety precautions, installation instructions, operation, maintenance, and troubleshooting.</p>
	<p><a href="#"><u>Della Motto (JA) Series Air Conditioner Installation and Operation Manual</u></a></p> <p>Comprehensive guide for installing and operating the Della Motto (JA) Series mini-split air conditioner. Covers safety, installation steps, basic and advanced functions, maintenance, and troubleshooting.</p>
	<p><a href="#"><u>DELLA Motto (JA) Series Air Conditioner: Installation and Operation Manual</u></a></p> <p>This manual provides comprehensive installation, operation, and maintenance guidance for the DELLA Motto (JA) Series air conditioner, ensuring optimal performance and longevity.</p>



### [Della Mini Compact Air Conditioner User's Manual](#)

User's manual for Della Mini Compact Air Conditioners (6000, 8000, 10000, 12000 BTU). Provides essential safety, installation, operation, maintenance, and troubleshooting guidance.