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### Della 048-TP-24K2V-20S-I+O

# DELLA Hyper Heat 23,000 BTU Mini Split System User Manual

Model: 048-TP-24K2V-20S-I+O

Brand: Della

## IMPORTANT SAFETY INFORMATION

This appliance is designed for professional installation only. Attempting DIY installation may void the warranty and lead to improper operation or damage. Always consult a qualified HVAC technician for installation and major servicing.

### General Safety Guidelines:

- Ensure power is disconnected before any maintenance or service.
- Do not block air inlets or outlets of either the indoor or outdoor unit.
- Use only the specified refrigerant (R454B).
- Keep children and pets away from the unit during operation and maintenance.
- Do not insert objects into the unit's openings.

## PRODUCT OVERVIEW

The DELLA Hyper Heat Mini Split system provides efficient cooling and heating for spaces up to 1500 sq. ft. It features a 23 SEER2 rating, Hyper Heat technology for operation down to -13°F, and smart control capabilities via Wi-Fi and Alexa.

### Components Included:

# The Perfect Fit for Every Home, Budget

Vario	Serena	TP	TPH
SEER2 19-23	SEER2 22	SEER2 23-24	SEER2 23-25
Refrigerant R454B	Refrigerant R32	Refrigerant R454B	Refrigerant R454B
Climate Range -4 °F ~ 122 °F	Climate Range 5 °F ~ 125 °F	Climate Range -13 °F ~ 131 °F	Climate Range -22 °F ~ 131 °F
Rebate ●	Rebate ●	Rebate ●	Rebate ●
Energy Saving ★★★★★	Energy Saving ★★★★★	Energy Saving ★★★★★	Energy Saving ★★★★★

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



This image illustrates the main components and accessories provided with your DELLA Mini Split system. These include the indoor unit, outdoor unit, pre-flared and insulated copper line set, drainage extension, remote control, and various installation hardware.

- Indoor Unit
- Outdoor Unit
- Refrigerant Pipe (16.4ft pre-flared and insulated copper line set)
- Drain Lines (6.56ft drainage extension)
- Remote Control
- Installation Kit (Includes rubber feet, mounting plate, AAA batteries, wall sleeve, plasticine putty, screws, anchors, wall cap, plastic wrap, communication cable, bracket template)

## SETUP AND INSTALLATION

Installation of this DELLA Mini Split system requires professional expertise. It is not a DIY installation. A qualified HVAC technician must perform the installation to ensure proper function, safety, and to maintain warranty validity.

### Key Installation Steps (Performed by Professional):

1. Select an appropriate location for both indoor and outdoor units, ensuring adequate clearance and structural support.
2. Mount the indoor unit and outdoor unit securely.
3. Connect the refrigerant lines, ensuring proper flaring and tightening.
4. Perform a vacuum test on the line set to remove air and moisture. This step is critical for system performance and longevity.
5. Connect electrical wiring according to local codes and the wiring diagram provided in the full manual.
6. Connect the drainage lines to ensure proper condensate removal.
7. Verify all connections and perform a system startup test.

**Note:** The unit comes pre-charged with refrigerant sufficient for the included 16.4ft line set.

## OPERATING INSTRUCTIONS

### Remote Control Operation:



The remote control allows direct management of the unit's functions. The image above details the buttons and their corresponding actions.

- **On/Off:** Powers the unit on or off.
- **Switch Modes:** Cycles through Cooling, Heating, Dry, Auto, Dehumidifying, and Fan modes.
- **Temp Up/Down:** Adjusts the desired temperature.
- **Fan Speed:** Selects fan speed (Quiet, Low, Mid Low, Mid, Mid High, High, Turbo).
- **Vertical/Horizontal Swing:** Adjusts airflow direction.
- **ECO Mode:** Activates energy-saving operation.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and reduced noise.
- **Timer Setting:** Programs automatic on/off times.

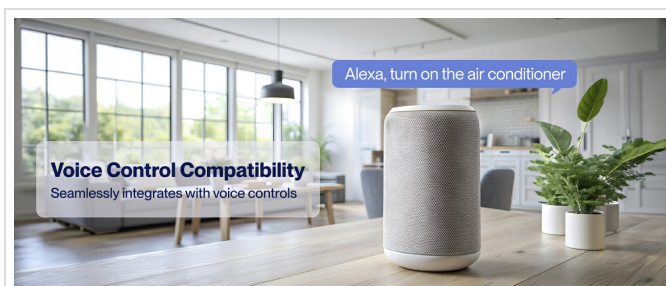
### Della+ App and Smart Control:



The Della+ app provides comprehensive wireless control of your mini split system from your smartphone. This image shows the app's user-friendly interface.

- **Download:** The Della+ app is available for download on your smartphone's app store.
- **Pairing:** Follow the in-app instructions to pair your device with the mini split system.
- **Features:** Control modes, set temperatures, adjust fan speeds, schedule operations, and utilize geo-location features for automatic adjustments.

### Voice Control Compatibility:



The DELLA Mini Split system is compatible with Amazon Alexa, allowing for convenient voice control. This image depicts an Amazon Echo device, which can be used to issue commands.

- **Integration:** Connect your Della+ app to your Alexa account.
- **Commands:** Use voice commands such as "Alexa, turn on the air conditioner" or "Alexa, set the temperature to 72 degrees."

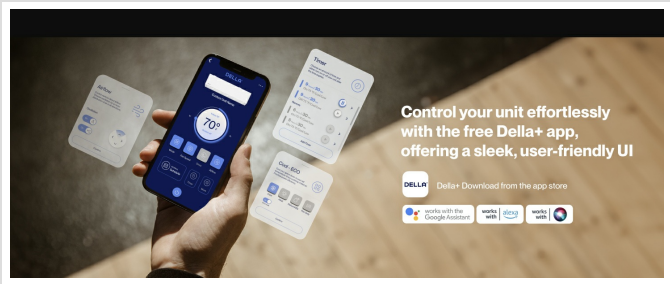
## MAINTENANCE

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

**Air Filter Cleaning:**

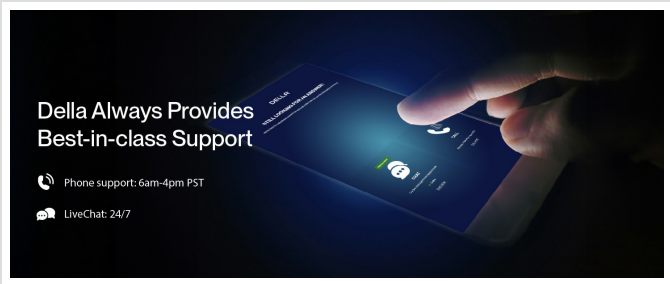
- Periodically check and clean the air filters in the indoor unit.
- Refer to the full user manual for detailed instructions on filter removal and cleaning frequency.

**Gold Plated FIN Technology:**



The outdoor unit features gold-plated fins, which prevent rust and corrosion, enhancing durability and heat exchange efficiency. This image highlights the gold-plated fins.

**PureClean Technology:**



PureClean technology helps prevent dust buildup and assists in defrosting the indoor unit, contributing to cleaner air and improved system efficiency. This image provides a visual of the PureClean system.

**Professional Servicing:**

Annual professional servicing is recommended to ensure the system operates efficiently and to identify any potential issues before they become major problems.

**TROUBLESHOOTING**

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

**Common Issues and Solutions:**

Problem	Possible Cause	Solution
Unit does not turn on	No power, remote batteries low, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant.	Clean filters, clear obstructions, select correct mode, contact professional for refrigerant check.
Unusual noise	Loose parts, fan obstruction, normal operating sounds (e.g., refrigerant flow).	Inspect for loose parts, clear obstructions. If persistent or loud, contact support.



Problem	Possible Cause	Solution
Water leakage	Clogged drain line, improper installation.	Check and clear drain line. If issue persists, professional inspection is required.

SPECIFICATIONS



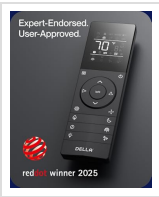
This diagram provides a visual representation of the dimensions and key technical specifications for the DELLA Mini Split system.

Feature	Detail
Model Number	048-TP-24K2V-20S-I+O
Cooling Capacity	23,000 BTU/h
Heating Capacity	25,000 BTU/h
SEER2 Rating	23

Feature	Detail
HSPF2 Rating	9.5
Voltage	208/230V
Max Input Power	2000 W
Max Fuse Size	25A
Refrigerant	R454B
Operating Temperature Range (Heating)	Down to -13°F (-25°C)
Coverage Area	Up to 1500 sq. ft.
Indoor Unit Dimensions (W x D x H)	43.19" x 8.75" x 13.06"
Outdoor Unit Dimensions (W x D x H)	38.50" x 16.56" x 31.63"
Sound Level (Indoor)	As low as 34 dB(A)

## WARRANTY AND SUPPORT

### Lifetime Warranty:



The DELLA Mini Split system is backed by a lifetime warranty, providing assurance for your investment. This image symbolizes the comprehensive warranty.


### Customer Support:



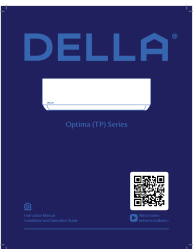
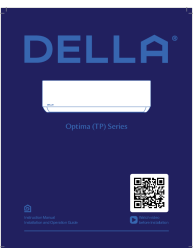

For any questions, technical assistance, or warranty claims, please contact Della customer support.

- **Phone Support:** Available Monday-Friday, 6 AM - 4 PM PST.
- **Live Chat:** Available 24/7.
- **Online Resources:** Visit the official Della website for additional FAQs and support documents.

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## Related Documents - 048-TP-24K2V-20S-I+O

	<p><a href="#">DELLA Multi-Zone Inverter Air Conditioner Installation Manual &amp; Guide</a></p> <p>This installation manual provides comprehensive guidance for DELLA Multi-Zone Inverter air conditioning systems, covering safety, parts, specifications, and step-by-step installation procedures for optimal performance.</p>
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	<p><a href="#"><u>DELLA Cassette (CC) Series Air Conditioner Installation and Operation Manual</u></a></p> <p>Comprehensive installation and operation guide for the DELLA Cassette (CC) Series air conditioning units. Covers safety, installation steps, product specifications, troubleshooting, and maintenance for models like 048-CC and 048-TP series.</p>
	<p><a href="#"><u>DELLA Motto (JA) Series Mini-Split Air Conditioner Installation and Operation Manual</u></a></p> <p>Get essential guidance for installing and operating your DELLA Motto (JA) Series mini-split air conditioner. This manual covers pre-installation checks, safety protocols, refrigerant handling, electrical setup, and maintenance for optimal home comfort.</p>
	<p><a href="#"><u>DELLA Optima (TP) Series Air Conditioner: Installation and Operation Manual</u></a></p> <p>Comprehensive guide for installing and operating DELLA Optima (TP) Series mini-split air conditioners, covering safety, installation, operation, maintenance, and troubleshooting.</p>
	<p><a href="#"><u>Della Optima (TP) Series Air Conditioner Installation and Operation Manual</u></a></p> <p>Comprehensive guide for the installation and operation of the Della Optima (TP) Series air conditioner, covering safety precautions, installation steps, and operational features for optimal performance.</p>
	<p><a href="#"><u>DELLA Vario (TL) Series Installation and Operation Manual</u></a></p> <p>Comprehensive installation and operation guide for the DELLA Vario (TL) Series mini-split air conditioner, covering safety, installation steps, specifications, troubleshooting, and warranty information.</p>