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MRCOOL COMFORT MADE SIMPLE DIY-12-HP-115B

MRCOOL DIY 12k BTU 22 SEER Ductless Heat Pump Split System 3rd Generation - Instruction Manual

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MRCOOL DIY 12k BTU 22 SEER Ductless Heat Pump Split System, 3rd Generation. Learn how to set up your unit, utilize its smart features, and ensure efficient performance.

Brand: MRCOOL COMFORT MADE SIMPLE | Model: DIY-12-HP-115B

1. Setup and Installation

The MRCOOL DIY E Star 3rd Gen 12k BTU 22 SEER Ductless Mini-Split Heat Pump is engineered for quick and easy setup without requiring specialized tools or expensive equipment. The unit is pre-charged with R-410A refrigerant, and features a 25ft Quick Connect Line for simplified installation.

1.1 Key Features for Installation:

- **Easy DIY Installation:** Pre-Charged R-410A 25ft Quick Connect Line doesn't require special tools, equipment, or training.
- **SmartHVAC App:** Wi-Fi control, compatible with Alexa and Google Assistant. Control your DIY unit anywhere with your Apple or Android smart device and an Internet connection.

1.2 Installation Overview:

The installation process involves mounting the indoor air handler, drilling a hole for the line set, connecting the pre-charged lines, and wiring the outdoor unit. It is designed to be user-friendly, but attention to detail is crucial for optimal performance and safety.

Visual Guide: Product Components



Figure 1: The MRCOOL DIY 12k BTU outdoor unit along with the pre-charged line set and other installation components.



Figure 2: Side view of the MRCOOL DIY 12k BTU outdoor unit, showing connection points and specifications label.



Figure 3: The MRCOOL DIY 12k BTU indoor air handler unit, designed for wall mounting.



Figure 4: The indoor unit displayed with its remote control and the Smart HVAC Controller for Wi-Fi connectivity.



Figure 5: Front view of the MRCOOL DIY 12k BTU indoor unit, showcasing its sleek design.

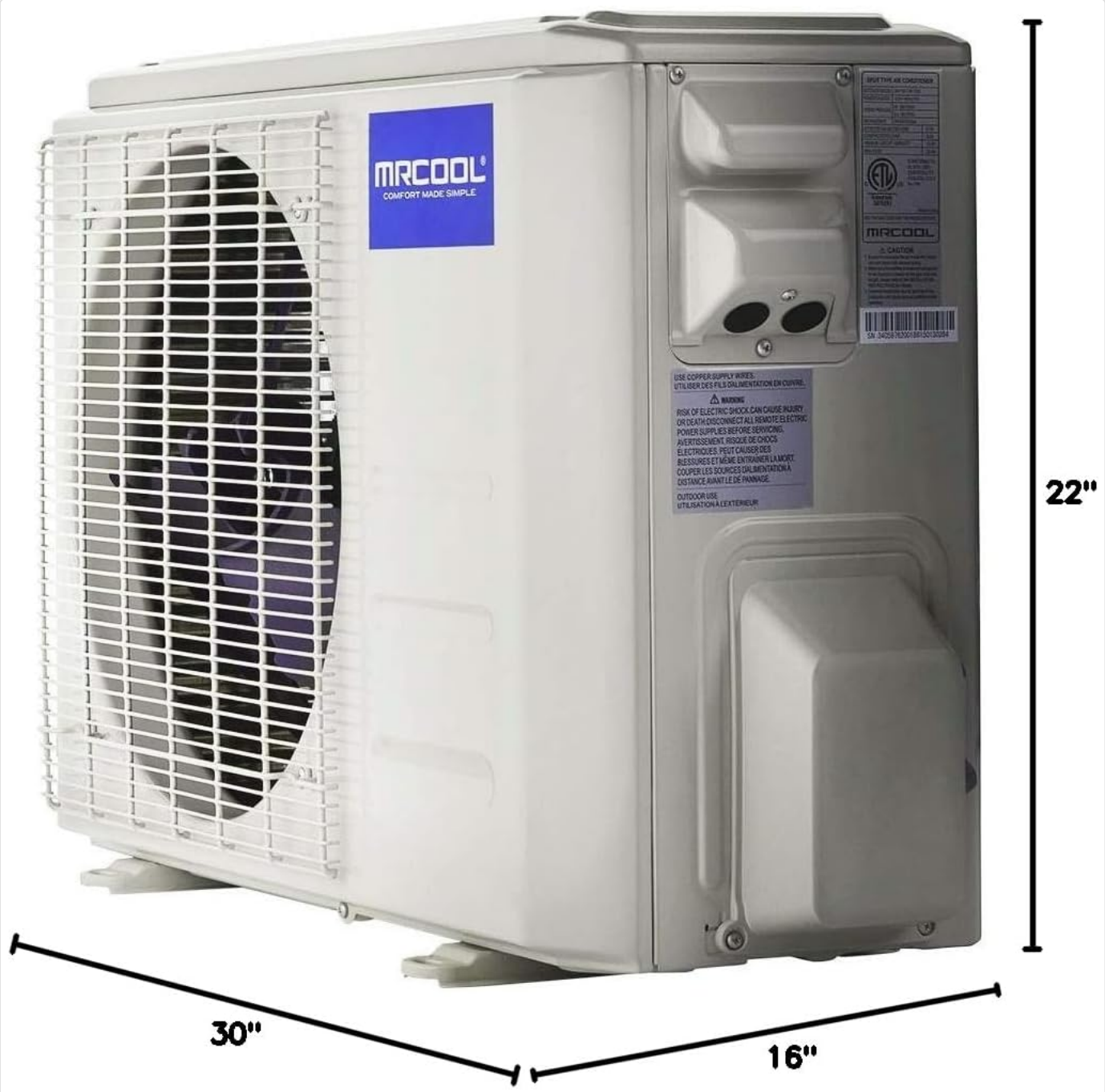


Figure 6: Dimensions of the MRCOOL DIY 12k BTU outdoor unit: 16"D x 30"W x 22"H.

Installation Video Guide:

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Video 1: Detailed installation guide for the MRCOOL DIY 3rd Generation Ductless Mini-Split Heat Pump. This video covers the full installation process from mounting to connections.

2. Operating Instructions

The MRCOOL DIY 12k BTU unit offers flexible control options to manage your home's climate efficiently.

2.1 Control Methods:

- **Remote Control:** Use the included remote control for direct adjustments to temperature, mode (Cool, Heat, Fan), and fan speed.
- **SmartHVAC App:** Download the SmartHVAC app on your Apple or Android device to control the unit remotely via Wi-Fi. The app allows for precise temperature adjustments and mode selection from anywhere with an internet connection.
- **Voice Control:** The SmartHVAC app is compatible with Google Assistant and Amazon Alexa, enabling voice commands for convenient operation.

2.2 Modes of Operation:

- **Cooling:** Efficiently cools areas up to 500 square feet.
- **Heating:** Provides effective heating for the designated area.
- **Fan:** Circulates air without heating or cooling.

3. Maintenance

Regular maintenance ensures the longevity and efficient operation of your MRCOOL DIY system.

3.1 Air Filter Maintenance:

The indoor air handler is equipped with air filters. It is recommended to regularly check and clean these filters to maintain optimal air quality and unit performance. Refer to the owner's manual for specific instructions on how to remove, clean, and reinstall the air filters.

Filter Installation Video Guide:

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Video 2: This video demonstrates the installation of the air filters inside the indoor air handler unit. Regular cleaning of these filters is essential for maintaining air quality and unit efficiency.

4. Troubleshooting

If you encounter issues with your MRCOOL DIY system, consider the following general troubleshooting steps. For detailed solutions, always refer to the comprehensive owner's manual.

4.1 Common Issues:

- **Unit Not Turning On:** Ensure the unit is properly connected to its power source and the circuit breaker is not tripped.
- **Insufficient Cooling/Heating:** Check if air filters are clean and not obstructed. Verify that the set temperature is appropriate for the desired climate. Ensure no obstructions are blocking the outdoor unit's airflow.
- **SmartHVAC App Connectivity Issues:** Confirm your smart device has an active internet connection and the unit's Wi-Fi module is properly installed and configured.
- **Unusual Noises:** Inspect the outdoor unit for any debris that might be interfering with the fan. Ensure the indoor unit is securely mounted.

If problems persist after basic troubleshooting, it is recommended to contact MRCOOL customer support or a qualified HVAC technician.

5. Specifications

Feature	Detail
Model Name	DIY 12k BTU 22 SEER
Model Number	DIY-12-HP-115B
Capacity	1 Tons (12,000 BTUs)
Cooling Power	18000 British Thermal Units (Note: Product title states 12k BTU, but Cooling Power spec is 18000 BTU. User should verify with product documentation.)
Seasonal Energy Efficiency Ratio (SEER)	22
Efficiency	Energy Star
Voltage	120 Volts
Refrigerant	R-410A
Product Dimensions (Outdoor Unit)	16"D x 30"W x 22"H
Floor Area Coverage	500 Square Feet
Installation Type	Split System
Special Features	Google Assistant, Wi-Fi
Included Components	Condenser, Air Handler

6. Warranty

The MRCOOL DIY 12k BTU 22 SEER Ductless Heat Pump Split System comes with a limited warranty:

- **Compressor Warranty:** 7-year
- **Parts Warranty:** 5-year

For full details and terms of the warranty, please refer to the official warranty documentation included with your product or visit the MRCOOL website.

7. Support

For additional support, product information, or to explore other MRCOOL products, please visit the official MRCOOL store:

Visit the MRCOOL COMFORT MADE SIMPLE Store

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