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> Cooper & Hunter 18,000 BTU 2-Zone Ductless Mini Split Air Conditioner & Heat Pump (Models CH-B06MOLVWM-230VI & CH-18MES-230VO) User Manual

Cooper & Hunter CH-B06MOLVWM-230VI & CH-18MES-230VO

Cooper & Hunter 18,000 BTU 2-Zone Ductless Mini Split Air Conditioner & Heat Pump User Manual

Models: CH-B06MOLVWM-230VI (Indoor Unit) & CH-18MES-230VO (Outdoor Unit)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Cooper & Hunter 18,000 BTU 2-Zone Ductless Mini Split Air Conditioner and Heat Pump system. Please read this manual thoroughly before installation and use, and retain it for future reference. This system is designed to provide reliable climate control for two separate spaces, offering both cooling and heating functionalities.

2. SAFETY INFORMATION

Important: This is not a DIY system. **Professional installation by a licensed HVAC technician is required** to ensure proper function, safety, and warranty validity. Improper installation can lead to electric shock, fire, serious injury, or property damage.

- Always disconnect power before performing any maintenance or service.
- Ensure the unit is properly grounded to prevent electrical shock.
- Do not block air inlets or outlets of the indoor or outdoor units.
- Keep children and pets away from the outdoor unit during operation.
- Use only specified refrigerants and follow all local and national regulations.

3. PRODUCT OVERVIEW

The Cooper & Hunter 18,000 BTU 2-Zone Ductless Mini Split system features a high-efficiency 22.9 SEER2 inverter

compressor, providing consistent temperature control and energy savings. This Midnight Edition includes two 6,000 BTU wall-mounted indoor units, designed to blend modern aesthetics with premium functionality.

3.1 System Components

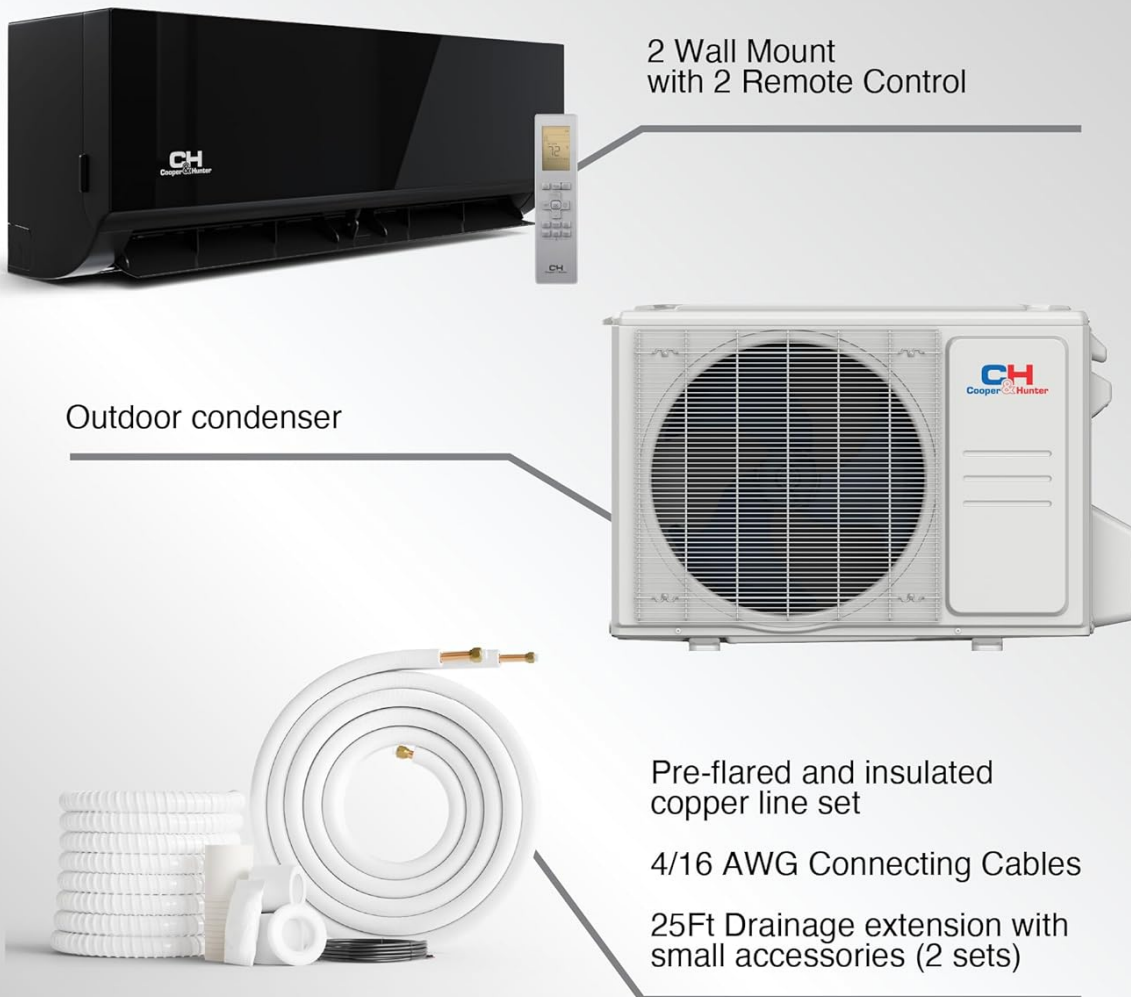
The complete system includes the following main components:

- One 18,000 BTU Multi-Zone Outdoor Condenser (Model: CH-18MES-230VO)
- Two 6,000 BTU Wall-Mounted Indoor Units (Model: CH-B06MOLVWM-230VI)
- Two Remote Controls for independent indoor unit operation
- Two 25ft Installation Kits, each containing:
 - Pre-flared and insulated copper line sets
 - Communication wires between indoor and outdoor units
 - 25ft Drainage extension with small accessories



Figure 1: Cooper & Hunter 18,000 BTU 2-Zone Ductless Mini Split system, showing the outdoor condenser, two black Midnight Edition indoor wall-mounted air handlers, remote controls, and installation accessories.

INCLUDED IN YOUR ORDER



2 Wall Mount
with 2 Remote Control

Outdoor condenser

Pre-flared and insulated
copper line set

4/16 AWG Connecting Cables

25Ft Drainage extension with
small accessories (2 sets)

Figure 2: This diagram illustrates the main components included in the order: two black wall-mounted indoor units with remote controls, the outdoor condenser, pre-flared and insulated copper line sets, connecting cables, and 25ft drainage extensions with small accessories (two sets).

4. SETUP AND INSTALLATION

As previously stated, **professional installation is mandatory** for this system. The outdoor unit comes pre-charged, and the included installation kits provide the necessary components for connecting the indoor units to the outdoor condenser.

4.1 Key Installation Considerations

- **Electrical Requirements:** The system operates on 230V. Ensure dedicated electrical circuits are available and meet local codes.
- **Location:** Select appropriate locations for both indoor and outdoor units, considering airflow, drainage, and

accessibility for maintenance.

- **Line Sets:** The included 25ft pre-flared and insulated copper line sets simplify connection.
- **Drainage:** Utilize the provided 25ft drainage extension. Cooper & Hunter drainage hoses are designed with rubberized material and plastic coil inserts to prevent kinking, ensuring proper condensate removal.

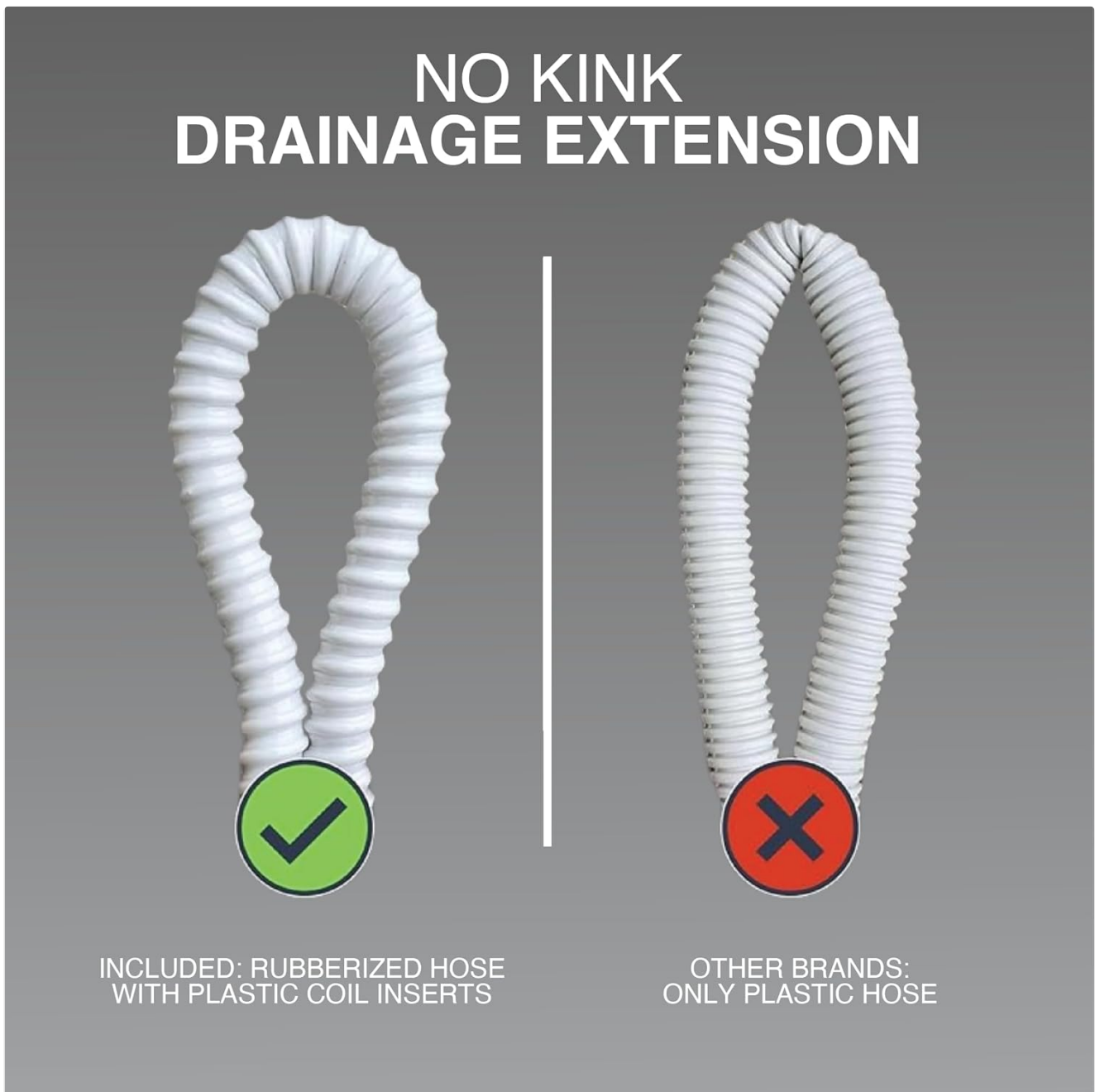


Figure 3: This image compares the superior 'no kink' drainage extension provided by Cooper & Hunter, which features a rubberized hose with plastic coil inserts, against a standard, easily kinked plastic hose from other brands.

5. OPERATING INSTRUCTIONS

Each indoor unit can be controlled independently using its dedicated remote control. The system offers various operating modes to suit your comfort needs.

5.1 Remote Control Operation

Refer to the separate remote control manual for detailed instructions on specific functions. Common modes include:

- **Cool Mode:** For cooling the room.
- **Heat Mode:** For heating the room.
- **Dry Mode:** For dehumidification.
- **Fan Mode:** Circulates air without heating or cooling.
- **Auto Mode:** Automatically selects cooling or heating based on room temperature.
- **Silent Mode:** Reduces fan speed for quieter operation.
- **Variable Speed:** The inverter technology adjusts compressor speed for optimal efficiency and comfort.

5.2 Smartphone App Control (Optional)

For enhanced control, a Smart Kit (sold separately) can be installed to enable smartphone app control. This allows you to manage your system remotely from anywhere using your smartphone and the dedicated Cooper & Hunter app.



**DOWNLOAD THE
COOPER&HUNTER
REMOTE APP**

IOS



ANDROID



Figure 4: A smartphone screen shows the Cooper & Hunter remote application interface, allowing control over the mini split system. Adjacent to the phone are QR codes for downloading the app on both iOS and Android devices. Note: Smart Kit is sold separately.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your mini split system. Always disconnect power before performing any maintenance.

- **Air Filter Cleaning:** Clean the indoor unit's air filters every 2-4 weeks, or more frequently depending on usage and air quality. Wash with mild detergent and water, then dry thoroughly before reinstallation.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser coil free of debris, leaves, and dirt. Use a soft brush or vacuum cleaner.
- **Drainage Line Check:** Periodically check the condensate drain line for blockages to prevent water leaks.
- **Professional Inspection:** Schedule annual professional inspections and maintenance by a licensed HVAC technician.

7. TROUBLESHOOTING

If you encounter issues with your system, refer to the following general troubleshooting tips. For complex problems, contact Cooper & Hunter technical support or a licensed HVAC professional.

- **No Power:** Check circuit breakers and ensure the unit is properly plugged in.
- **Poor Cooling/Heating:** Ensure air filters are clean, no obstructions to airflow, and the remote control settings are correct.
- **Unusual Noises:** Minor operational noises are normal. Loud or unusual noises may indicate a problem requiring professional attention.
- **Water Leaks:** Check the condensate drain line for blockages or improper installation.

8. SPECIFICATIONS

Specification	Value
Brand Name	Cooper & Hunter
Model Info (Indoor)	CH-B06MOLVWM-230VI
Model Info (Outdoor)	CH-18MES-230VO
Product Dimensions	40 x 48 x 40 inches (Outdoor Unit)
Efficiency	22.9 SEER2

Specification	Value
Capacity	1.5 Tons (18,000 BTU)
Installation Type	Split System
Form Factor	Mini-Split
Special Features	Silent Mode, Variable Speed
Color	Black (Indoor Units)
Voltage	230 Volts (AC)
Included Components	Combo Set (Outdoor unit, 2 Indoor units, 2 Installation Kits)

9. WARRANTY AND SUPPORT

Cooper & Hunter stands by the quality of its products. Your system includes a comprehensive warranty:

- **Compressor:** 7 Years Limited Warranty
- **Parts:** 5 Years Limited Warranty

Free US-based technical support is available should you require assistance with your system. For further information or to register your product, please visit the official Cooper & Hunter website or use the informational video link below.



Figure 5: An indoor unit of the Cooper & Hunter Mini Split system is shown installed above a television in a modern living room. The image also features badges indicating a 7-year compressor warranty, 5-year parts warranty, and a QR code for an informational video.

For an informational video, please visit: [Cooper & Hunter Informational Video](#)