

## OLMO OS-24SRW-230VI & OS-SR24-230VO

# OLMO 24,000 BTU Ductless Mini Split Air Conditioner & Heat Pump

INSTRUCTION MANUAL FOR MODELS **OS-24SRW-230VI & OS-SR24-230VO**

*19.5 SEER2 – 230V Inverter System – Pre-Charged with R-32*

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your OLMO 24,000 BTU Ductless Mini Split Air Conditioner and Heat Pump. This system is designed to provide efficient heating and cooling for various spaces, featuring a 19.5 SEER2 rating and a 230V inverter system. It comes pre-charged with R-32 refrigerant and includes a 16-foot installation kit. Please read this manual thoroughly before installation and use to ensure proper function and safety.



*Figure 1: Complete OLMO Mini Split System with Indoor and Outdoor Units, Remote, and Smart App.*

## INCLUDED COMPONENTS

Your OLMO Mini Split system includes the following components for a comprehensive installation:

- **OLMO 24,000 BTU Single Zone Outdoor Condenser:** 19.5 SEER2, 230V.
- **One Wall Mount Air Handler:** Indoor unit.
- **Smart Kit:** For controlling your system via smartphone app.
- **16FT Insulated Copper Line Set:** Pre-flared for easier connection.
- **16FT Communication Cable:** For connecting indoor and outdoor units.
- **16FT Drainage Extension:** Designed for no-kink performance.
- **Remote Control:** For convenient operation.
- **Small Accessories:** Various parts for professional installation.

# INCLUDED IN YOUR ORDER

Single-Zone Sierra Series  
with Remote Control



Outdoor condenser  
pre-charges with R32

16Ft Pre-flared and insulated  
copper line set

4/16 AWG Connecting Cables

16Ft Drainage extension with  
small accessories



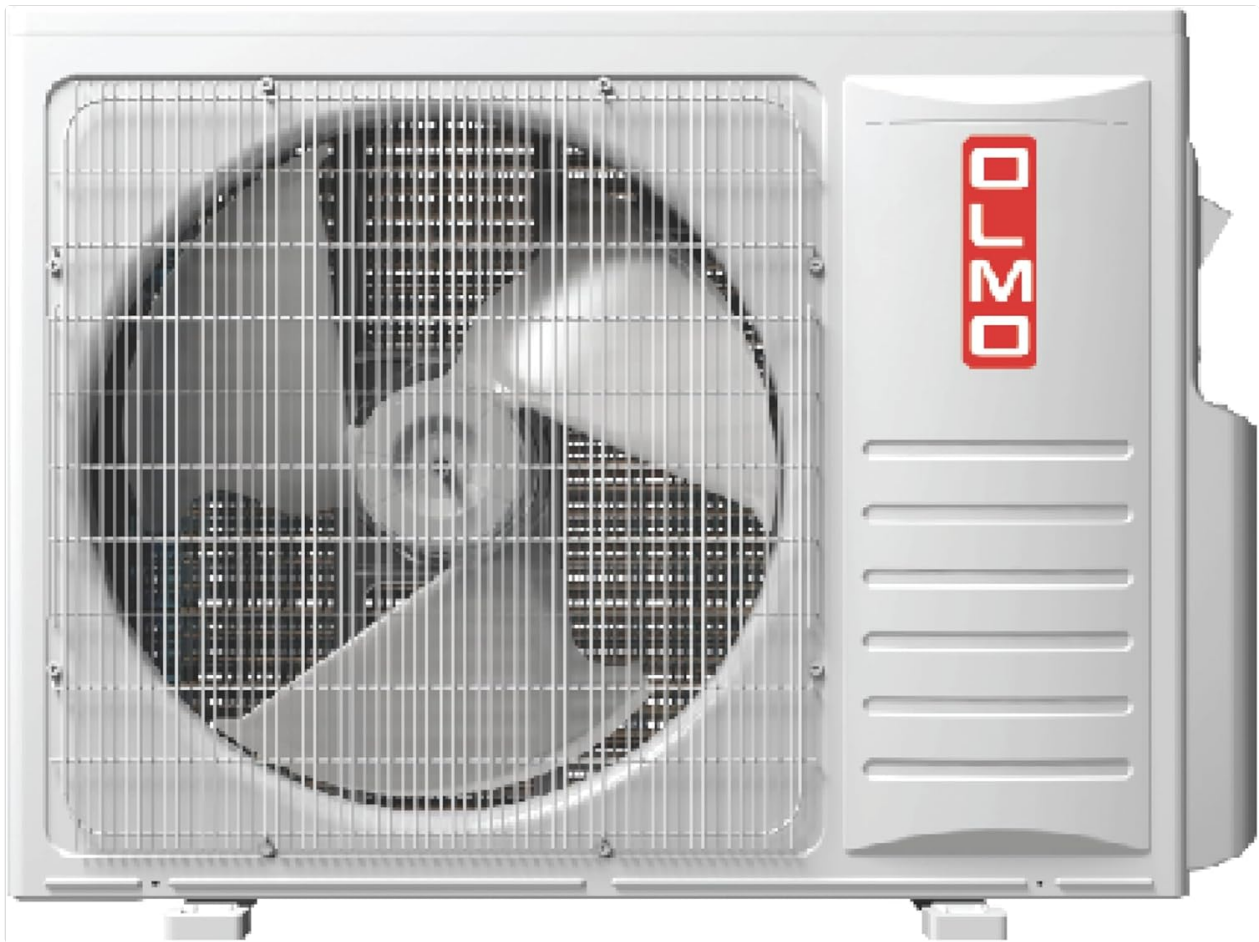
*Figure 2: Detailed view of included components for the OLMO Mini Split system.*

## SETUP AND INSTALLATION

**Important:** This is not a DIY system. Professional installation is required to ensure proper function, safety, and warranty validity. The system comes pre-charged with R-32 refrigerant.

### Outdoor Unit Placement and Connections

The outdoor condenser unit should be placed on a stable, level surface or mounted securely using appropriate brackets. Ensure adequate clearance around the unit for proper airflow and maintenance. The 16FT insulated copper line set, communication cable, and drainage extension are provided for connecting the indoor and outdoor units.



*Figure 3: OLMO Outdoor Condenser Unit.*

# NO KINK DRAINAGE EXTENSION



INCLUDED: RUBBERIZED HOSE  
WITH PLASTIC COIL INSERTS



OTHER BRANDS:  
ONLY PLASTIC HOSE

*Figure 4: No-Kink Drainage Extension included with the system.*

## Indoor Unit Mounting

The indoor air handler should be mounted on a wall in a location that allows for optimal air distribution and minimal obstruction. Consult with your professional installer for the best placement in your space.



*Figure 5: OLMO Indoor Air Handler Unit.*

## OPERATING INSTRUCTIONS

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Your OLMO Mini Split system can be operated using the included remote control or via the smartphone app (Smart Kit required).

### Remote Control Functions

The remote control allows you to adjust various settings for optimal comfort:

- **Power On/Off:** Activates or deactivates the unit.
- **Mode Selection:** Choose between Cool, Heat, Fan, Auto, and Dry modes.
- **Temperature Adjustment:** Set your desired temperature.
- **Fan Speed:** Adjust the fan speed (multiple settings available).
- **Swing Function:** Control the louver movement for air distribution.
- **Sleep Mode:** Optimizes settings for comfortable sleep.
- **Turbo Mode:** Provides rapid cooling or heating.
- **Eco Mode:** Energy-saving operation.
- **Timer:** Set schedules for turning the unit on or off.
- **Self Clean Mode:** Initiates a self-cleaning cycle for the indoor unit.
- **LED Display:** Turn the unit's LED display on or off for undisturbed sleep.

### Smart Control (App)

With the included Smart Kit, you can control your OLMO Mini Split system from anywhere using your smartphone. Download the official OLMO remote app from your device's app store:

- [iOS App Store](#)
- [Android Play Store](#)



## DOWNLOAD THE *OLMO REMOTE APP*

IOS



ANDROID

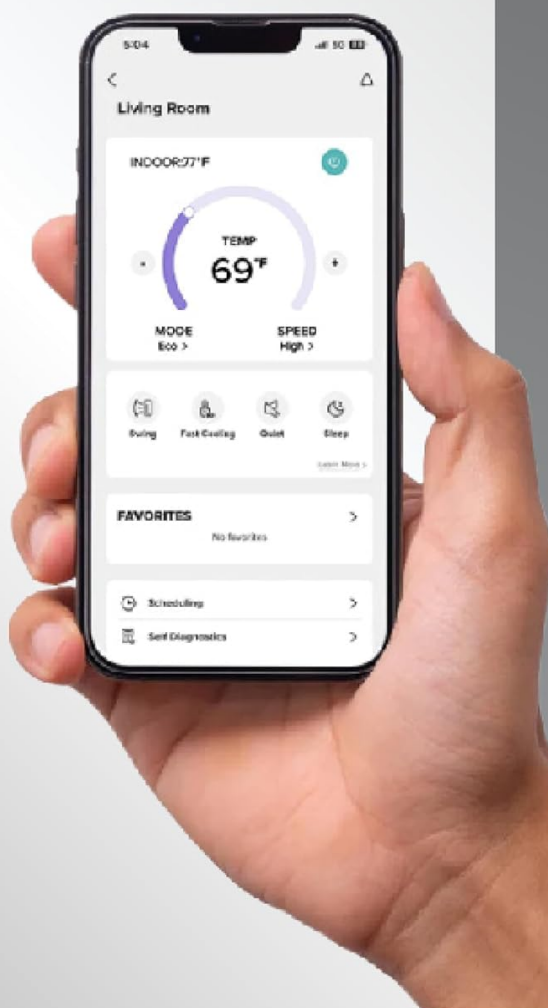


Figure 6: Download the OLMO Remote App for Smart Control.

## KEY FEATURES

- **Powerful & Efficient Climate Control:** Provides high-performance heating and cooling for large rooms, open spaces, and light commercial areas.
- **All-Season Comfort:** Operates efficiently in a wide temperature range, ensuring consistent comfort in both summer and winter. Ideal for garages, basements, additions, and converted living spaces.
- **Quiet Operation:** Designed for quiet indoor performance, minimizing noise while maximizing airflow.
- **Sleek Design:** Modern aesthetics allow the ductless unit to fit seamlessly into your room.
- **Variable Speed:** Optimizes energy consumption and comfort.

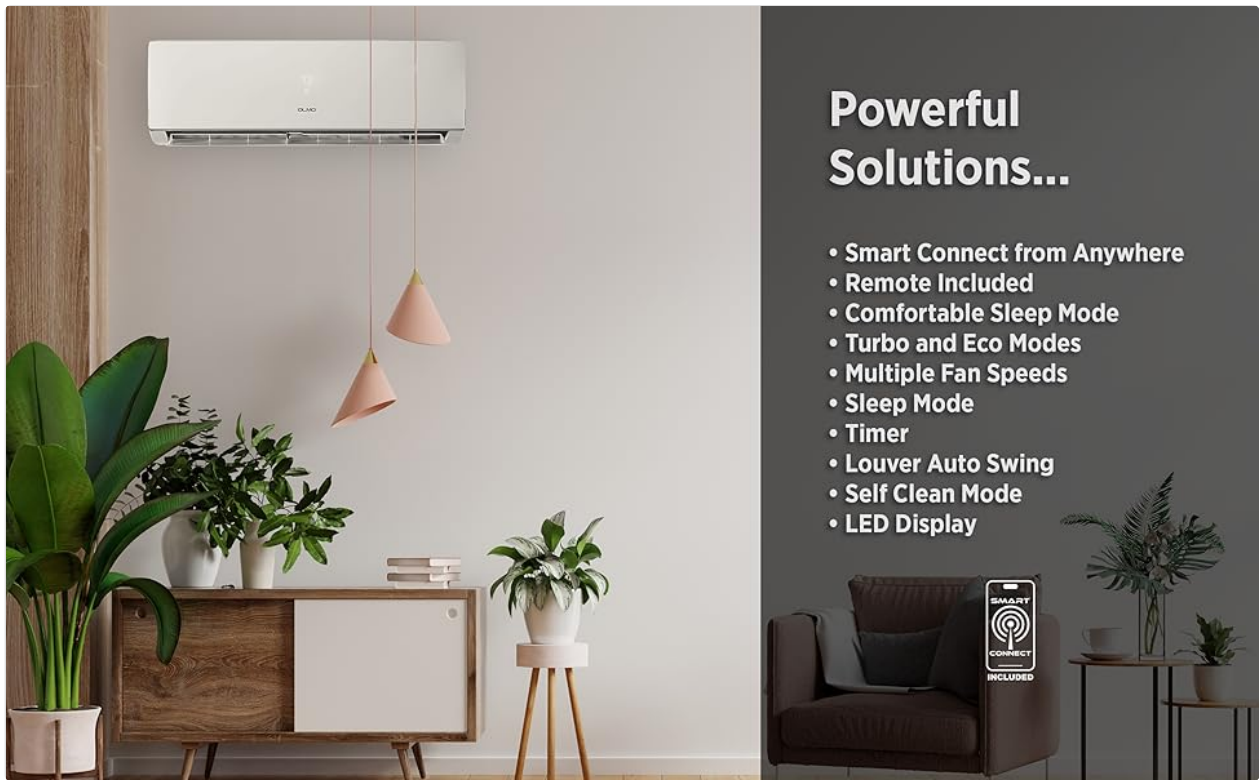


Figure 7: OLMO Mini Split Unit in a modern interior setting.

## SPECIFICATIONS

Specification	Value
Brand Name	OLMO
Model Info	OS-24SRW-230VI & OS-SR24-230VO
Product Dimensions	40 x 48 x 40 inches
Item Model Number	OS-24SRW-230VI & OS-SR24-230VO
Efficiency	High efficiency
Capacity	2 Tons (24,000 BTU)
Installation Type	Split System
Form Factor	Mini-Split
Special Features	Silent Mode, Variable Speed
Color	White
Voltage	230 Volts (AC)
Included Components	Comes as a Combo Set
Cooling Power	24000 British Thermal Units



Seasonal Energy Efficiency Ratio (SEER)	19.5
Refrigerant	R-32
Power Source	Corded Electric

Indoor Model		OS-09SRW-115VI	OS-12SRW-115VI	OS-09SRW-230VI	OS-12SRW-230VI	OS-18SRW-230VI	OS-24SRW-230VI	OS-R36SRW-230VI
Outdoor Model		OS-SR09-115VO	OS-SR12-115VO	OS-SR09-230VO	OS-SR12-230VO	OS-SR18-230VO	OS-SR24-230VO	OS-R32-230VO
Power Supply	V-Ph-Hz	115V-1Ph-60	115V-1Ph-60	208/230V-1Ph-60	208/230V-1Ph-60	208/230V-1Ph-60	208/230V-1Ph-60	208/230V-1Ph-60
	Capacity	9000	12000	9000	12000	18000	24000	34500
Cooling	EER2	Btu/h	12.5	10.2	12.95	11.1	11.95	9.4
	SEER2	Btu/h	20.0	18.0	22.5	20.0	21.0	20.0
Heating	Rated Capacity	Btu/h	9500	12000	9000	12000	18000	35000
	HSPF4	Btu/h	9.0	8.5	8.5	8.5	9.8	8.4
	HSPF5	Btu/h	7.0	8.0	8.0	8.0	8.0	8.2
	COP2	W/W	4.1	3.4	4.12	3.5	3.91	3.2
	Minimum Circuit Ampacity	A	14.6	15.6	9.5	9.5	14.5	26.8
Max Fuse	A	25	25	15	15	20	35	35
Indoor Air Flow (TurboHi/MV/Lo/Si)	CFM	353/382/341/294/247	365/394/365/312/253	353/382/341/294/247	365/394/365/312/253	647/647/588/482/382	706/706/647/559/441	706/706/647/559/441/416/417
Indoor Noise Level (TurboHi/M/Lo)	dB(A)	42/39/37/35	42/39/37/35	42/39/37/35	42/39/37/35	48/45/41/39	50/48/43/41	50/47/43/39
Indoor Unit	Dimensions (WxDxH)	in	33.5x10.62x8.19	33.5x10.62x8.19	33.5x10.62x8.19	42.5x12.37x9	42.5x12.37x9	52.75x14.83x10.81
	Packing (WxDxH)	in	35.87x13.13x10.25	35.87x13.13x10.25	35.87x13.13x10.25	48x15.75x12.19	48x15.75x12.19	56.12x15.56x18.12
Outdoor Unit	Net/Gross Weight	lbs	18.5/23.1	18.5/23.1	18.5/23.1	30.9/37.5	29.8/37.5	40.8
	Outdoor Air Flow (H)	CFM	470	488	470	488	568	647
Outdoor Side Noise Level	dB(A)	53	53	53	53	56	60	60
Outdoor Unit	Dimensions (WxDxH)	in	28.13x21.25x9.5	28.13x21.25x9.5	28.13x21.25x9.5	31.88x23x11	33.88x25.5x12.2	35.43x13.38x29.5
	Packing (WxDxH)	in	32.67x23.62x13.18	32.67x23.62x13.18	32.67x23.62x13.18	37x25.19x15.15	38.17x28.34x16.53	41.75x17.69x32.31
Outdoor Unit	Net/Gross Weight	in	52.9/61.7	57.3/66.1	48.5/57.3	52.9/61.7	75/82.7	101.4/110.2
								121.3
Refrigerant Type/Quantity	oz	R32/21.2	R32/21.9	R32/20.5	R32/21.9	R32/45.9	R32/47.6	R32/72.4
Refrigerant Precharge	ft	24.6	24.6	24.6	24.6	24.6	24.6	24.6
Design Pressure	PSIG	620	620	620	620	620	620	620
Refrigerant Piping	Liquid Side / Gas Side	in	1/4" / 3/8"	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"
	Max Refrigerant Pipe Length	ft	65.6	65.6	65.6	98.4	98.4	98.4
	Max. Difference in Level	ft	49.2	49.2	49.2	49.2	49.2	49.2
Ambient Temperature	Indoor (Cooling/Heating)	°F	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75
	Outdoor (Cooling/Heating)	°F	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75	5-118/-5-75
Energy Star Certified		✓		✓		✓		

Figure 8: Comprehensive Technical Specifications.

## MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your OLMO Mini Split system. While professional servicing is recommended annually, some basic tasks can be performed by the user:

- **Filter Cleaning:** The indoor unit's air filters should be cleaned regularly (e.g., monthly, or more frequently with heavy use) to maintain airflow and air quality. Refer to your professional installer's instructions for filter removal and cleaning procedures.
- **Outdoor Unit Clearance:** Ensure the outdoor unit remains free of debris, leaves, and other obstructions that could impede airflow.
- **Drainage Line Check:** Periodically inspect the drainage line for any blockages or kinks to prevent water backup.

## TROUBLESHOOTING

If you experience any issues with your OLMO Mini Split system, please consult your professional installer or

contact technical support. Common issues and initial checks may include:

- **No Power:** Check the circuit breaker and ensure the unit is properly connected to its power source.
- **Insufficient Cooling/Heating:** Verify temperature settings, ensure filters are clean, and check for any obstructions to airflow.
- **Unusual Noises:** Minor operational sounds are normal, but loud or persistent noises may indicate an issue requiring professional inspection.
- **Water Leaks:** Check the drainage line for blockages or improper slope.

For complex issues, always contact a qualified HVAC technician.

## WARRANTY AND SUPPORT

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Your OLMO Mini Split system comes with a limited warranty:

- **Compressor:** 5 Years Limited Warranty
- **Parts:** 2 Years Limited Warranty


Free US-based technical support is available should you ever need assistance. Please refer to your warranty documentation for full terms and conditions.



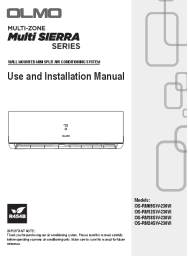
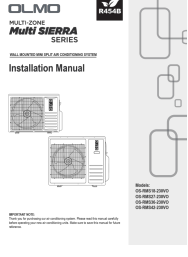
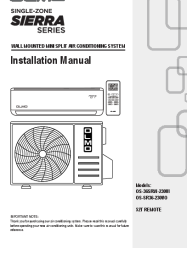


Figure 9: Certifications and Warranty Information.

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## Related Documents - OS-24SRW-230VI & OS-SR24-230VO

 <p><b>OLMO</b></p> <p>Dive into Olmo's World</p>	<p><a href="#">OLMO Air Conditioning Systems: Sierra Series Mini-Splits, Through-the-Wall, and PTAC Units</a></p> <p>Explore OLMO's range of energy-efficient air conditioning solutions, including Inverter Technology mini-split systems (Sierra Series), Through-the-Wall AC, and Packaged Terminal Air Conditioners (PTAC). Find detailed specifications, features, and product information.</p>
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	<p><a href="#">Olmo Wall Mounted Mini Split Air Conditioning System Installation Manual</a></p> <p>Installation manual for Olmo wall-mounted mini-split air conditioning systems, covering safety instructions, site selection for indoor and outdoor units, and detailed installation steps for mounting plates, piping, and electrical connections. Includes model numbers OS-09SRW-115VI through OS-36SRW-230VO.</p>
	<p><a href="#">Olmo Sierra Series Remote Controller Instructions</a></p> <p>Comprehensive instructions for operating the Olmo Sierra Series single-zone air conditioning remote controller, covering various modes, functions, and troubleshooting.</p>
	<p><a href="#">OLMO Wall Mounted Mini Split Air Conditioning System: Use and Installation Manual</a></p> <p>Comprehensive use and installation manual for OLMO Multi-Sierra wall-mounted mini-split air conditioning systems, covering models OS-RM09SW-230VI, OS-RM12SW-230VI, OS-RM18SW-230VI, and OS-RM24SW-230VI. Provides essential information for operation and setup.</p>
	<p><a href="#">OLMO Multi-Zone Multi SIERRA Series Installation Manual</a></p> <p>This installation manual provides detailed instructions for the OLMO Multi-Zone Multi SIERRA Series wall-mounted mini-split air conditioning system. It covers safety precautions, installation procedures, piping requirements, wiring, and trial runs for models OS-RMS18-230VO, OS-RMS27-230VO, OS-RMS36-230VO, and OS-RMS42-230VO.</p>
	<p><a href="#">OLMO Sierra Series Mini Split Air Conditioner Installation Manual</a></p> <p>This installation manual provides comprehensive guidance for setting up OLMO Single-Zone Sierra Series Wall Mounted Mini Split Air Conditioning Systems. It covers safety precautions, parts identification, operation, installation steps, testing, maintenance, and troubleshooting.</p>



[Olmo Wall Mounted Mini Split Air Conditioning System Installation Manual](#)

Installation manual for Olmo wall-mounted mini-split air conditioning systems, covering safety instructions, site selection for indoor and outdoor units, and detailed installation steps for mounting plates, piping, and electrical connections. Includes model numbers OS-09SRW-115VI through OS-36SRW-230VO.

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