

OLMO OS-18SRW-230VI & OS-SR18-230VO

OLMO 18,000 BTU Ductless Mini Split Air Conditioner & Heat Pump User Manual

Model: OS-18SRW-230VI & OS-SR18-230VO

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your OLMO 18,000 BTU Ductless Mini Split Air Conditioner and Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference.



Figure 1: OLMO 18,000 BTU Mini Split system with indoor unit, outdoor unit, remote, and app interface.

2. SAFETY INFORMATION

Always adhere to basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless supervised or instructed concerning its use by a person responsible for their safety.

2.1 General Safety

- **Professional Installation Required:** This is not a DIY system. Installation must be performed by a qualified HVAC technician in accordance with all local and national electrical and safety codes. Improper installation can result in electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the unit is connected to a properly grounded power supply with the correct voltage (230V). Do not operate with wet hands or in wet conditions.
- **Refrigerant:** This unit uses R-32 refrigerant. Only qualified personnel should handle refrigerant.
- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Cleaning:** Disconnect power before cleaning or performing maintenance.

3. PRODUCT COMPONENTS

Your OLMO Mini Split system includes the following main components and installation accessories:



Figure 2: Included components for the OLMO Mini Split system.

- **Indoor Unit:** Single-Zone Sierra Series wall-mount air handler.
- **Outdoor Condenser:** Pre-charged with R-32 refrigerant.
- **Remote Control:** For convenient operation.
- **16FT Insulated Copper Line Set:** Pre-flared for easier connection.
- **16FT Communication Cable:** For connecting indoor and outdoor units.
- **16FT Drainage Extension:** Designed to prevent kinking.
- **Small Accessories:** Various parts for a complete installation.

NO KINK DRAINAGE EXTENSION



INCLUDED: RUBBERIZED HOSE
WITH PLASTIC COIL INSERTS



OTHER BRANDS:
ONLY PLASTIC HOSE

Figure 3: Included rubberized drainage hose designed to prevent kinking.

4. INSTALLATION GUIDELINES

The OLMO Mini Split system requires professional installation. The outdoor condenser comes pre-charged, and a 16-foot installation kit is included to facilitate the process. Ensure the installation site meets all requirements for proper drainage, electrical connections, and structural support.

4.1 Pre-Installation Checks

- Verify that the power supply matches the unit's requirements (230V).
- Ensure sufficient space for both indoor and outdoor units, allowing for proper airflow and maintenance access.
- Confirm that the wall or mounting surface for the indoor unit can support its weight.

4.2 Key Installation Steps (Overview for Technician)

1. Mount the indoor unit securely on the wall.
2. Install the outdoor condenser on a stable, level surface, ensuring proper vibration isolation.

3. Connect the pre-flared copper line set between the indoor and outdoor units.
4. Connect the communication cable and power wiring according to the wiring diagram.
5. Install the drainage hose, ensuring a continuous downward slope for proper condensate removal.
6. Evacuate the system using a vacuum pump to remove air and moisture.
7. Open the refrigerant valves on the outdoor unit.
8. Perform a leak check and test run the system.

5. OPERATING INSTRUCTIONS

Your OLMO Mini Split system offers various modes and features for optimal climate control. The unit can be operated using the included remote control or via the OLMO Remote App on your smartphone.

5.1 Remote Control Operation

The remote control allows you to adjust temperature, change operating modes (Cool, Heat, Fan, Dry, Auto), set fan speed, and activate special features like Sleep Mode or Timer functions. Refer to the remote control's dedicated manual for detailed button functions.

5.2 Smart Control via App

The system includes a Smart Kit, enabling control from anywhere using your smartphone and the OLMO Remote App. Download the app from your device's app store:



Figure 4: OLMO Remote App interface and download QR codes.

- **iOS App:** [Download ConnectLife for iOS](#)
- **Android App:** [Download ConnectLife for Android](#)

Follow the in-app instructions to connect your unit and access features such as remote temperature adjustment, mode selection, scheduling, and diagnostics.

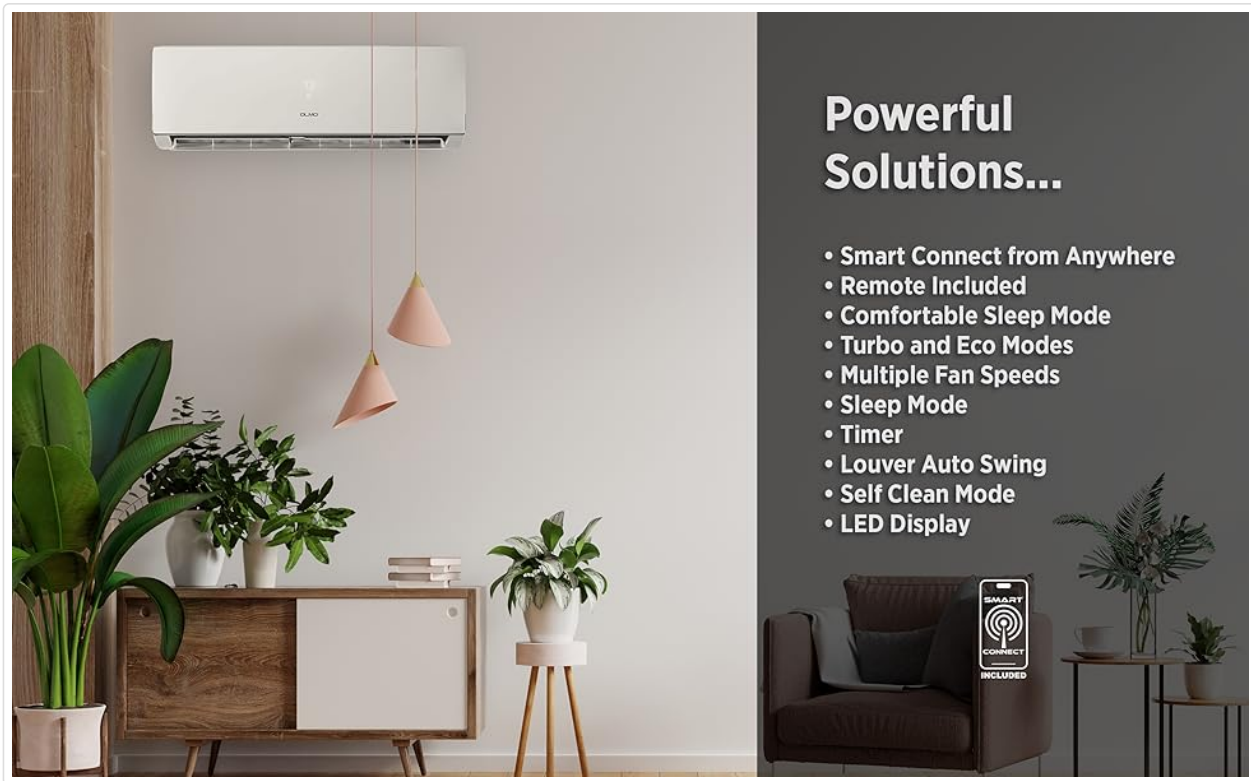


Figure 5: OLMO Mini Split features for enhanced comfort and control.

5.3 Key Operating Features

- **All-Season Comfort:** Provides efficient heating and cooling across a wide temperature range.
- **Quiet Operation:** Designed for minimal noise during indoor performance.
- **Silent Mode:** Reduces fan speed for ultra-quiet operation.
- **Variable Speed:** Inverter technology adjusts compressor speed for precise temperature control and energy efficiency.
- **Sleep Mode:** Adjusts temperature automatically for comfortable sleep and energy savings.
- **Timer:** Program the unit to turn on or off at specific times.
- **Louver Auto Swing:** Automatically adjusts airflow direction for even distribution.
- **Self Clean Mode:** Helps prevent mold and bacteria growth on the indoor coil.
- **LED Display:** Provides clear indication of settings and status.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your OLMO Mini Split system. Always disconnect power to the unit before performing any maintenance.

6.1 Indoor Unit Maintenance

- **Air Filter Cleaning:** The indoor unit's air filters should be cleaned every 2-4 weeks, or more frequently depending on usage and air quality. Gently remove the filters and wash them with lukewarm water and mild detergent. Allow them to dry completely before reinserting.
- **Exterior Cleaning:** Wipe the indoor unit's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Outdoor Unit Maintenance

- **Coil Cleaning:** Periodically inspect the outdoor coil for dirt, leaves, and debris. Carefully clean the coil with a soft brush or water hose. Avoid bending the fins.
- **Clearance:** Ensure that vegetation, snow, or other obstructions do not block airflow around the outdoor unit.
- **Drainage:** Check the condensate drain line for blockages.

7. TROUBLESHOOTING

Before contacting technical support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power, circuit breaker tripped, remote control batteries low.	Check power supply, reset circuit breaker, replace remote batteries.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, incorrect mode setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, verify mode, contact technician for refrigerant check.
Unusual noise	Loose parts, fan obstruction, refrigerant flow noise (normal).	Inspect for loose parts or obstructions. If persistent or loud, contact technician.
Water leakage from indoor unit	Blocked drain line, improper installation.	Check and clear drain line. If issue persists, contact technician.

If troubleshooting steps do not resolve the issue, please contact OLMO technical support.

8. SPECIFICATIONS

The following table outlines the key specifications for the OLMO 18,000 BTU Ductless Mini Split Air Conditioner and Heat Pump (Model OS-18SRW-230VI & OS-SR18-230VO).

Indoor Model			OS-09SRW-115Vn	OS-12SRW-115Vn	OS-09SRW-230Vn	OS-12SRW-230Vn	OS-18SRW-230Vn	OS-24SRW-230Vn	OS-R26SRW-230Vn
Outdoor Model			OS-SR09-115VO	OS-SR12-115VO	OS-SR09-230VO	OS-SR12-230VO	OS-SR18-230VO	OS-SR24-230VO	OS-RSR36-230VO
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
Cooling	Capacity	Btu/h	9000	12000	9000	12000	18000	24000	34500
	EER2	Btu/h	12.5	10.2	12.95	11.1	11.95	10.6	9.4
	SEER2	Btu/h	20.0	18.0	22.5	20.0	21.0	19.5	20.0
Heating	Rated Capacity	Btu/h	9600	12000	9000	12000	18000	24000	35000
	HSPF4	Btu/h	9.0	8.5	8.5	8.5	9.8	8.5	8.4
	HSPF5	Btu/h	7.0	8.0	8.0	8.0	9.0	8.0	8.2
	COP2	WW	4.1	3.4	4.12	3.5	3.91	3.3	3.2
Minimum Circuit Ampacity	A		14.6	15.6	9.5	9.5	14.5	21	26.8
Max Fuse	A		25	25	15	15	20	35	35
Indoor Air Flow (Turbo/H/M/L/S)	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	706/706/647/559/441/647
Indoor Noise Level (Turbo/H/M/L/S)	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	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	35.87x13.13x10.25	48x15.75x12.19	48x15.75x12.19	58.12x15.56x18.12
	Net/Gross Weight	lbs	18.5/23.1	18.5/23.1	18.5/23.1	18.5/23.1	30.8/37.5	29.8/37.5	40.8
Outdoor Air Flow (H)	CFM		470	488	470	488	588	647	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	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	32.67x23.62x13.18	37x25.19x15.15	38.17x28.34x16.53	41.75x17.69x32.31
	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	lb		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" / 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	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	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	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	5~118/-5~75
Energy Star Certified			✓		✓		✓		

Figure 6: Comprehensive specifications for OLMO Mini Split models.

Specification	Value
Brand	OLMO
Model Info	OS-18SRW-230VI & OS-SR18-230VO
Cooling Power	18,000 British Thermal Units (BTU)
Efficiency (SEER2)	21 SEER2
Capacity	1.5 Tons
Voltage	230 Volts (AC)
Refrigerant	R-32
Installation Type	Split System
Product Dimensions	40 x 48 x 40 inches (Overall)
Special Features	Silent Mode, Variable Speed
Color	White

9. WARRANTY AND SUPPORT



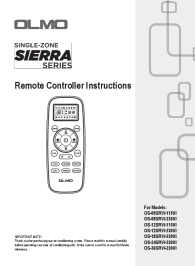
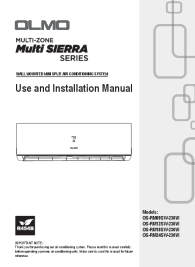
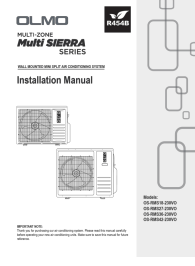
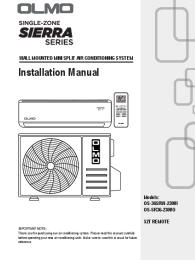
Your OLMO Mini Split system is backed by a limited warranty:

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



Figure 7: Product certifications and warranty information.

For technical assistance or warranty claims, free US-based technical support is available. Please refer to your purchase documentation for contact details or visit the official OLMO website.

 <p>OLMO Dive into Olmo's World</p>	<p>OLMO Air Conditioning Systems: Sierra Series Mini-Splits, Through-the-Wall, and PTAC Units</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>
 <p>OLMO SINGLE-ZONE SIERRA SERIES Installation Manual</p>	<p>Olmo Wall Mounted Mini Split Air Conditioning System Installation Manual</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>OLMO SINGLE-ZONE SIERRA SERIES Remote Controller Instructions</p>	<p>Olmo Sierra Series Remote Controller Instructions</p> <p>Comprehensive instructions for operating the Olmo Sierra Series single-zone air conditioning remote controller, covering various modes, functions, and troubleshooting.</p>
 <p>OLMO MULTI-ZONE Multi SIERRA SERIES Use and Installation Manual</p>	<p>OLMO Wall Mounted Mini Split Air Conditioning System: Use and Installation Manual</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>OLMO MULTI-ZONE Multi SIERRA SERIES Installation Manual</p>	<p>OLMO Multi-Zone Multi SIERRA Series Installation Manual</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>OLMO SINGLE-ZONE SIERRA SERIES Installation Manual</p>	<p>OLMO Sierra Series Mini Split Air Conditioner Installation Manual</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>