OLMO OS-EL09ALP230V

OLMO 9,000 BTU 230V Ductless Mini Split Air Conditioner & Heat Pump User Manual

Model: OS-EL09ALP230V | Brand: OLMO

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your OLMO 9,000 BTU 230V Ductless Mini Split Air Conditioner & Heat Pump. This system is designed to provide high-performance heating and cooling, suitable for various spaces including bedrooms, offices, and compact living areas. Please read this manual thoroughly before installation and use, and retain it for future reference.

SAFETY INFORMATION

Important Safety Instructions:

- Always ensure the unit is properly grounded.
- Do not attempt to install or service the unit yourself. *Professional installation is required.*
- Turn off all power to the unit before performing any maintenance or cleaning.
- Keep the area around the outdoor unit clear of obstructions to ensure proper airflow.
- Do not insert fingers or objects into the air inlet/outlet.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Proposition 65 Warning: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Indoor Wall Mount Air Handler Unit

- Outdoor Condenser Unit

- 16FT Insulated Copper Line Set

- 16FT Communication Cable

- 16FT Drainage Extension

- Remote Control
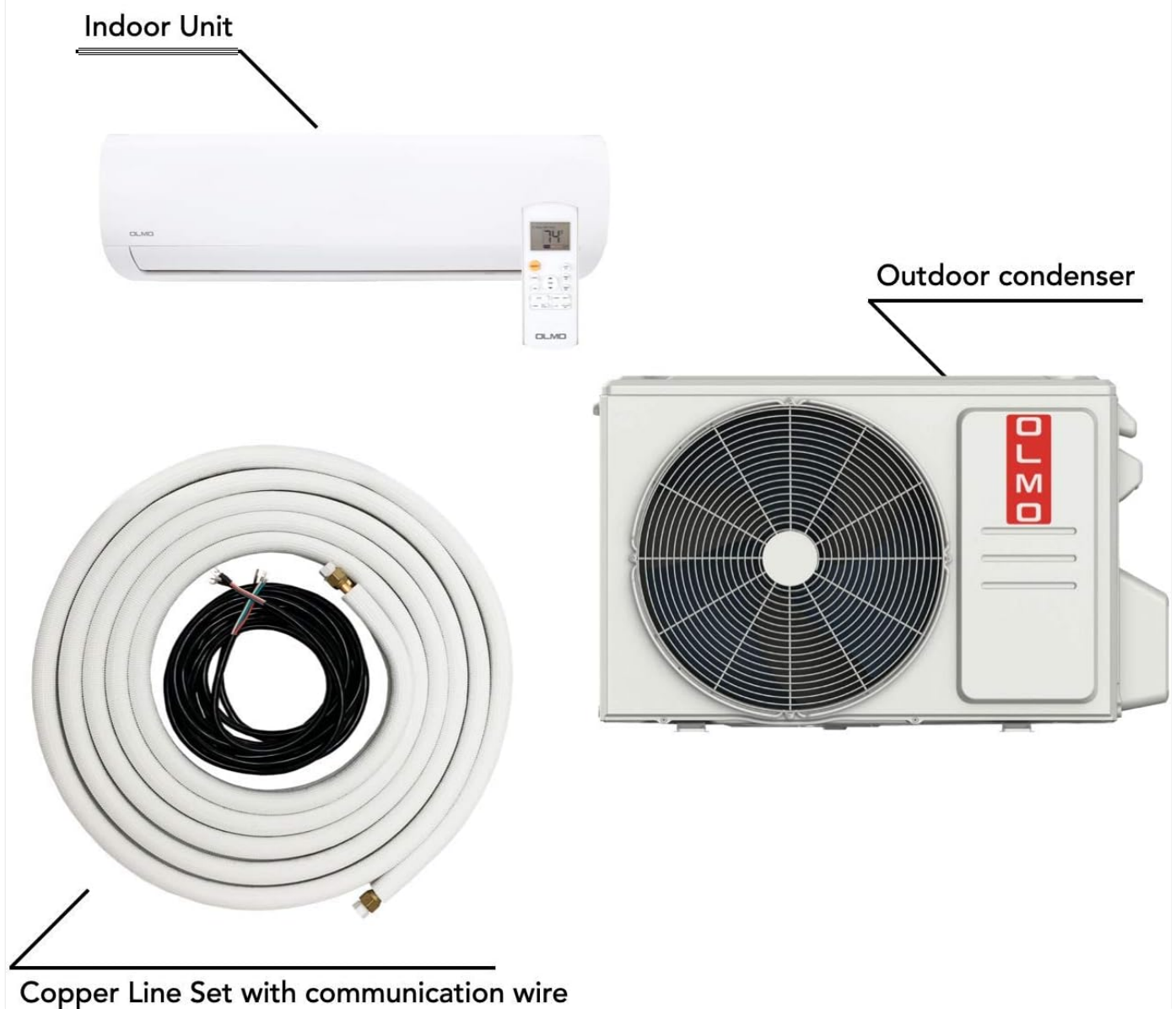
- Small accessories for installation

Figure 1: Included components of the OLMO Mini Split System.

SETUP AND INSTALLATION

Note: This is not a DIY system. Professional installation by a qualified HVAC technician is required to ensure proper

function, safety, and warranty validity. The condenser comes pre-charged with refrigerant.

Pre-Installation Checks:

- Ensure the installation location for both indoor and outdoor units meets clearance requirements for proper airflow and maintenance access.
- Verify that the electrical supply matches the unit's requirements (230V for this model). A dedicated power source is recommended.
- Confirm the integrity of the pre-charged line set and all included accessories.

Installation Overview (for Professional Reference):

1. Mount the indoor unit securely on the wall, ensuring proper drainage slope.
2. Position the outdoor condenser unit on a stable, level surface, away from obstructions.
3. Connect the insulated copper line set between the indoor and outdoor units. Ensure proper flaring and torque.
4. Connect the communication cable and drainage extension.
5. Evacuate the system using a vacuum pump to remove air and moisture from the refrigerant lines.
6. Open the valves on the outdoor unit to release the pre-charged refrigerant into the system.
7. Connect the unit to the dedicated electrical circuit.
8. Perform a leak check and test run to ensure proper operation.

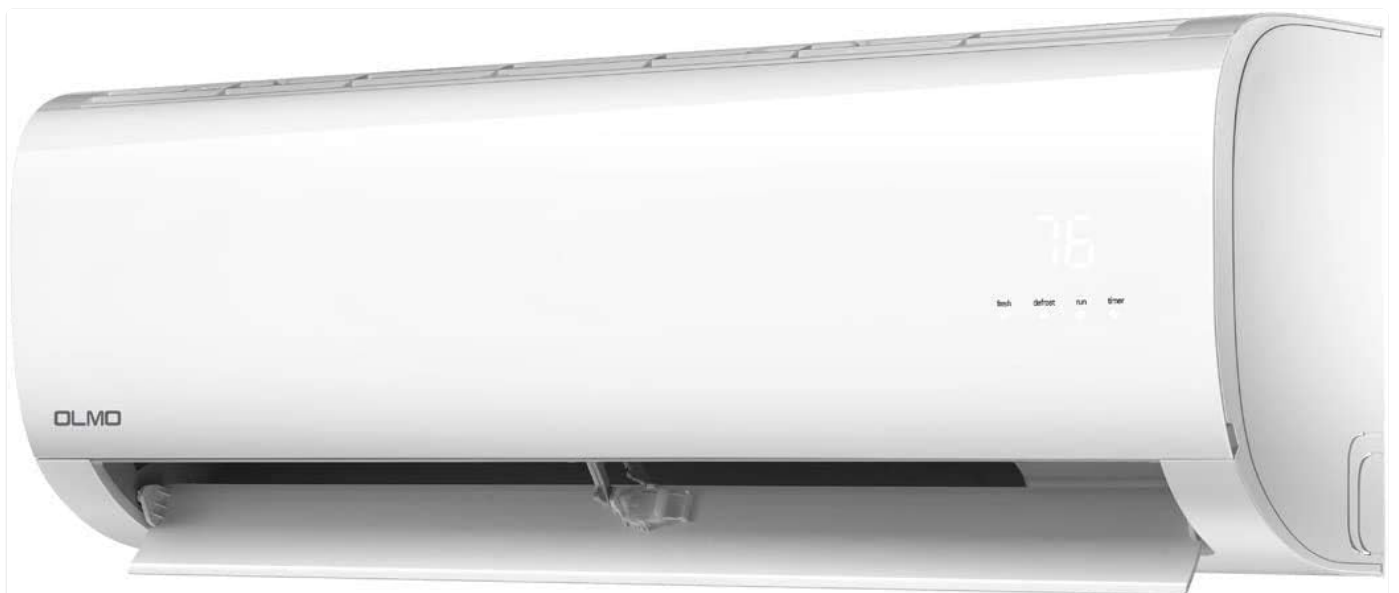Figure 2: The complete OLMO Mini Split System.

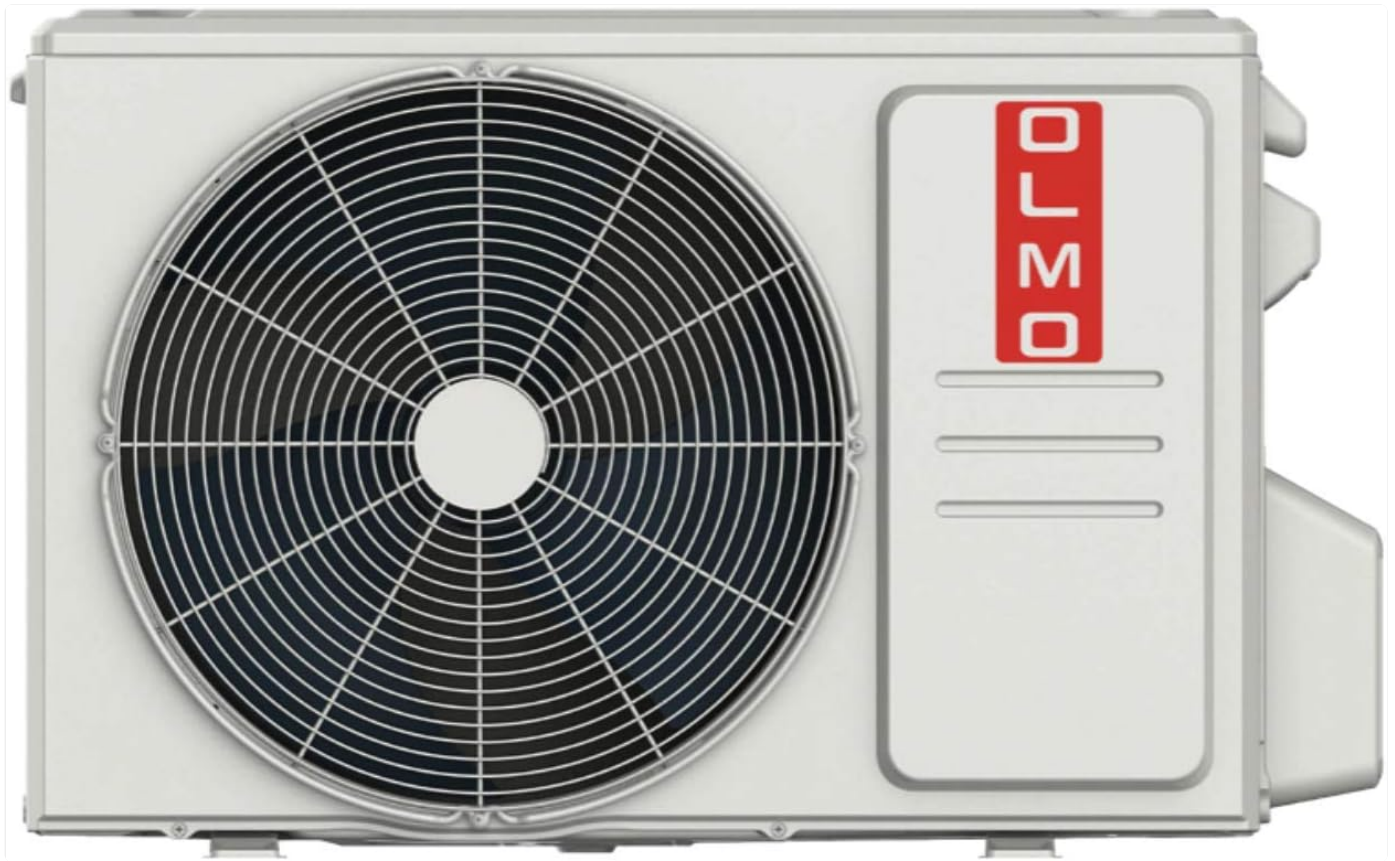Figure 3: Indoor Unit of the OLMO Mini Split System.

Figure 4: Outdoor Condenser Unit of the OLMO Mini Split System.

OPERATING INSTRUCTIONS

Your OLMO Mini Split system offers various modes and features for optimal comfort. All functions are controlled via the included remote control.

Figure 5: Remote Control for the OLMO Mini Split System.

Basic Operation:

- **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
- **Mode Selection:** Press the **MODE** button to cycle through available modes:
    - **Cool:** For cooling the room.
    - **Heat:** For heating the room (heat pump function).
    - **Dry (Dehumidify):** To reduce humidity.
    - **Fan:** Circulates air without heating or cooling.
    - **Auto:** Automatically selects mode based on room temperature.
- **Temperature Adjustment:** Use the **TEMP** ▲/▼ buttons to set your desired temperature.

- **Fan Speed:** Press the **FAN** button to adjust fan speed (Auto, Low, Medium, High).
- **Louver Auto Swing:** Activates automatic vertical louver movement for even air distribution.

Advanced Features:

- **Comfortable Sleep Mode:** Adjusts temperature automatically during sleep for energy efficiency and comfort.
- **Timer Function:** Set the unit to turn on or off automatically at a specified time.
- **Self-Diagnosis:** The unit can perform self-diagnosis and display error codes on the LED display.
- **Intelligent Pre-heating:** In heating mode, the unit pre-heats before blowing air to prevent cold drafts.
- **Auto Restart Function:** The unit automatically restarts with previous settings after a power outage.
- **LED Display:** Provides real-time temperature and status information.

Indoor Model			OS-EL09ALP115VI	OS-EL12ALP115VI	OS-EL09ALP230VI	OS-EL12ALP230VI	OS-EL18ALP230VI	OS-EL24ALP230VI
Outdoor Model			OS-EL09ALP115VO	OS-EL12ALP115VO	OS-EL09ALP230VO	OS-EL12ALP230VO	OS-EL18ALP230VO	OS-EL24ALP230VO
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
Cooling	Capacity	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000
	EER2	Btu/h	10.1	8.8	8.8	8.8	9.9	8.9
	SEER2	Btu/h	17.0	17.4	18.5	17.6	18.3	16.7
Heating	Rated Capacity	Btu/h	9,800	12,000	10,000	12,000	18,000	24,000
	HSPF4	Btu/h	9.0	8.7	8.8	8.8	8.7	8.0
	HSPF5	Btu/h	7.0	6.8	8.8	8.8	8.7	8.0
	COP2	W/W	2.8	2.82	3.42	2.9	3.07	2.82
Minimum Circuit Ampacity		A	16	17	12	12	15	19
Max Fuse		A	20	20	15	15	20	30
Indoor Air Flow (Turbo/Hi/Mi/Lo)		CFM	294/265/211/158	353//18/241/176	353/317/241/176	353/317/241/176	500.3/463/369/275	588/564/447/341
Indoor Noise Level (Hi/Mi/Lo)		dB(A)	39.5/33.5/26	41/34.5/27.5	41.5/34.5/25.5	41.5/34.5/25.5	44/38/30	46/40/33.5
Indoor Unit	Dimensions (WxDxH)	in	28.15x7.64x11.22	31.69x7.64x11.22	31.69x7.64x11.22	31.69x7.64x11.22	37.68x8.39x11.89	40.94x8.66x12.87
	Packing (WxDxH)	in	30.71x10.63x14.37	34.25x10.63x14.37	34.25x10.63x14.37	34.25x10.63x14.37	40.75x11.61x15.16	44.09x12.40x15.94
	Net/Gross Weight	lbs	15.87/20.50	17.20/22.27	17.20/22.27	17.20/22.27	22.93/29.32	28.88/36.60
Outdoor Air Flow (Hi)		CFM	1058.82	1058.82	1058.82	1058.82	1235.29	1764.71
Outdoor Side Noise Level		dB(A)	54.5	55.0	54.5	54.5	57.0	59.5
Outdoor Unit	Dimensions (WxDxH)	in	28.35x10.63x19.49	28.35x10.63x19.49	28.35x10.63x19.49	28.35x10.63x19.49	30.12x11.93x21.85	35.04x13.46x26.50
	Packing (WxDxH)	in	32.87x11.81x21.26	32.87x11.81x21.26	32.87x11.81x21.26	32.87x11.81x21.26	34.92x13.27x24.02	39.17x15.67x29.13
	Net/Gross Weight	in	54.67/58.42	55.11/58.86	52.91/56.44	52.91/56.44	64.15/69.67	97.88/104.50
Refrigerant Type/Quantity		oz	R410A/20.46	R410A/25.75	R410A/25.75	R410A/25.75	R410A/47.97	R410A/62.79
Refrigerant Precharge		ft	25	25	25	25	25	25
Design Pressure		PSIG	550/340	550/340	550/340	550/340	550/340	550/340
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"
	Max Refrigerant Pipe Length	ft	82	82	82	82	98	98
	Max. Difference in Level	ft	33	33	33	33	66	66
Connection Wiring		Size x Core Number	16AWG*4 Stranded, Unshielded					
Ambient Temperature	Indoor (Cooling/Heating)	°F	62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86	62~90/32~86
	Outdoor (Cooling/Heating)	°F	5~122/5~86	5~122/5~86	5~122/5~86	5~122/5~86	5~122/5~86	5~122/5~86

Figure 6: The OLMO Mini Split System providing comfort in a living space.

MAINTENANCE

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

Air Filter Cleaning:

- The indoor unit features washable filters.
- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
- Allow filters to dry completely before reinserting them.
- Clean filters every two weeks or more frequently depending on usage and air quality.

Outdoor Unit Maintenance:

- Keep the area around the outdoor unit clear of debris, leaves, and snow.
- Periodically clean the outdoor coil with a soft brush or vacuum cleaner to remove dirt and dust.
- Ensure the drainage outlet is not blocked.
- For detailed cleaning and professional checks, it is recommended to schedule annual maintenance with a qualified technician.

TROUBLESHOOTING

Before contacting technical support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Remote control batteries dead.	Check circuit breaker; Replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters; Obstruction to airflow; Incorrect mode setting; Low refrigerant.	Clean air filters; Remove obstructions; Select correct mode; Contact professional for refrigerant check.
Unusual noise.	Loose parts; Fan obstruction; Unit not level.	Check for loose parts; Clear fan area; Ensure unit is level. If noise persists, contact support.
Water leakage from indoor unit.	Clogged drain pipe; Improper installation.	Clear drain pipe; Contact professional for inspection.

SPECIFICATIONS

Detailed technical specifications for the OLMO 9,000 BTU 230V Mini Split System:

Feature	Detail
Brand Name	OLMO
Model Info	Alpic
Item Model Number	OS-EL09ALP230V
Product Dimensions	48 x 40 x 40 inches (Shipping)
Cooling Capacity	9,000 BTU
Heating Capacity	Heat Pump Functionality
Voltage	230 Volts
Seasonal Energy Efficiency Ratio (SEER)	16.5

| Feature	Detail
Heating Seasonal Performance Factor (HSPF)	9.4
Installation Type	Split System
Refrigerant	R 410A
Special Features	LED Display, Defrost, Heating, Inverter Technology, Louver Auto Swing, Remote Included, Comfortable Sleep Mode, Multiple Fan Speeds, Timer, Self Diagnosis, Intelligent Pre-heating, Auto Restart Function
Color	White
Power Source	Corded Electric
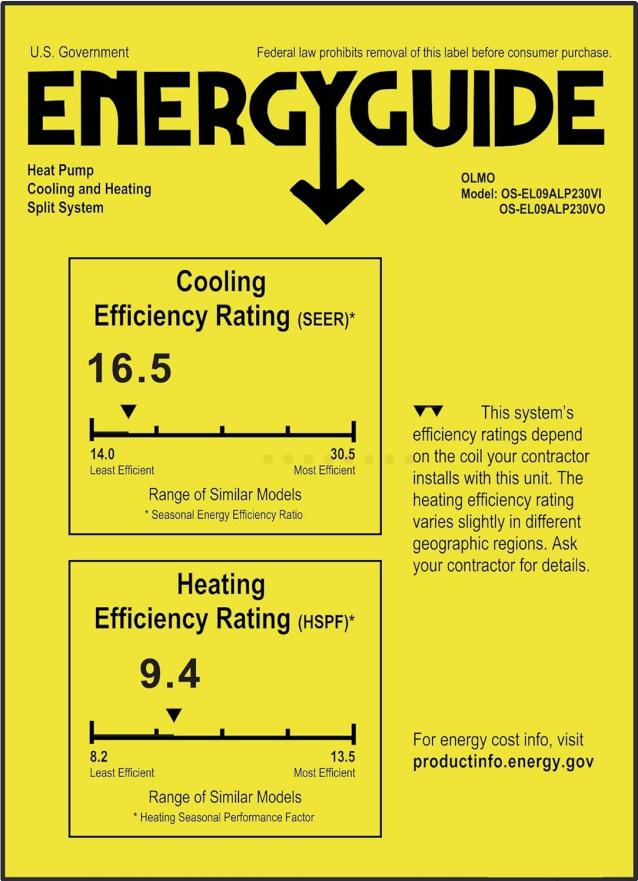
Figure 7: EnergyGuide Label for OLMO Mini Split System.

Figure 8: Comprehensive Technical Specifications Table for OLMO Mini Split Systems.
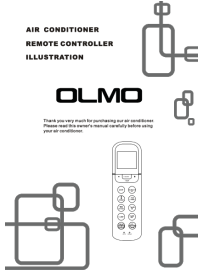
WARRANTY AND SUPPORT

OLMO provides US-based technical support for your product. If you encounter any issues or require assistance with your mini split system, please contact our support team. Professional installation is required for warranty validity.

For support, please refer to the contact information provided with your purchase documentation or visit the official OLMO website.

Related Documents - OS-EL09ALP230V

[OLMO Split Air Conditioner with Heat Pump User's Manual](#)

Comprehensive user manual for the OLMO Split Air Conditioner with Heat Pump, covering safety precautions, unit specifications, features, care and maintenance, and troubleshooting.

[OLMO Air Conditioner Remote Controller User Manual and Guide](#)
Comprehensive guide to the OLMO air conditioner remote controller, covering specifications, button functions, operation modes, timer settings, and special features like FOLLOW ME and SELF CLEAN. Model RG36F1/BGEFU1.

[OLMO Sierra Series Wi-Fi User Manual](#)
User manual for the OLMO Sierra Series Single-Zone Wall Mounted Mini Split Air Conditioning System, covering Wi-Fi setup and control via the ConnectLife app.

[OLMO OS-EAH36-230VO Installation Manual for Central Split Air Handler Outdoor Unit](#)
Get detailed installation instructions for the OLMO OS-EAH36-230VO multi-position AHU outdoor unit. This manual covers safety, setup, wiring, and testing for central split air conditioning systems.

[OLMO Split Air Conditioner with Heat Pump User's Manual](#)
Comprehensive user manual for the OLMO Split Air Conditioner with Heat Pump, covering operation, maintenance, safety precautions, and troubleshooting. Includes detailed instructions and specifications.

[OLMO Multi SIERRA Series Remote Controller Instructions and Warranty](#)
Comprehensive guide to operating the OLMO Multi SIERRA Series air conditioner remote controller, including mode explanations, settings, and limited warranty information.