

MITSUBISHI MUZWX-MSZWX12NL

Mitsubishi 12,000 BTU SEER 18 Ductless Mini-Split Heat Pump System Instruction Manual

Model: MUZWX-MSZWX12NL | Brand: MITSUBISHI

1. INTRODUCTION

This manual provides comprehensive instructions for the Mitsubishi 12,000 BTU SEER 18 Wall Mount Ductless Mini-Split Inverter Cool & Heat Pump System, Model MUZWX-MSZWX12NL. This system is designed to offer efficient and comfortable climate control for single zones or rooms, providing both cooling and heating functionalities. Please read this manual thoroughly before operating your new air conditioning unit to ensure safe and optimal performance.

2. IMPORTANT SAFETY INFORMATION

WARNING: Installation of this unit MUST be performed by a qualified, licensed HVAC technician. Improper installation can lead to electric shock, fire, serious injury, or death.

The manufacturer covers parts only under warranty. The installer is responsible for labor warranty. Ensure all electrical connections comply with local codes and regulations. Always disconnect power before performing any maintenance or service.

3. PRODUCT FEATURES

- **12,000 BTU Capacity:** Suitable for rooms up to 550 sq ft, providing effective cooling and heating.
- **High SEER Rating (18):** Ensures energy-efficient operation, reducing electricity consumption.
- **Inverter-Driven Compressor:** Generates precise capacity to maintain a set temperature, optimizing comfort and power usage.
- **Quiet Operation:** Designed for low noise levels (30 Decibels), ensuring minimal disturbance.
- **Blue Fin Coating:** Anti-corrosion treatment on the outdoor unit's heat exchanger for protection against environmental elements.
- **Multiple Fan Speeds:** Offers Quiet, Low, Medium, High, and Super High settings, plus Auto fan speed.

control.

- **Smart Set Feature:** Allows pre-programming of desired settings for single-button recall, including a 50°F setting in Heat mode.
 - **Dehumidifying Mode & Jet Cool:** Provides enhanced comfort and rapid cooling.
 - **Automatic Restart:** Unit automatically restarts with previous settings after a power outage.
 - **12-Hour Timer:** For convenient scheduling of operation.
 - **Econo Cool:** Automatically adjusts airflow based on heat exchanger temperature to save energy while maintaining comfort.
 - **Smart Dry Mode:** Improves humidity control with minimal over-cooling.
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4. SETUP AND INSTALLATION

The Mitsubishi Mini-Split system requires professional installation by a qualified, licensed HVAC technician. This ensures proper setup, adherence to safety standards, and validation of the manufacturer's parts warranty.

4.1 Components Included

The system typically includes:

- Indoor Unit
- Outdoor Unit
- Hand-held Remote Controller
- Installation accessories (specific items may vary)

4.2 Electrical Requirements

The unit operates on 220V and requires a 15 AMP breaker. A dedicated electrical line is necessary for safe and efficient operation. Consult with your licensed installer for specific wiring and breaker requirements.

4.3 Unit Placement

The indoor unit is designed for wall mounting. The outdoor unit should be placed on a stable, level surface, ensuring adequate clearance for airflow and maintenance. Your installer will determine the optimal placement for both units to maximize performance and efficiency.



Figure 1: Mitsubishi 12,000 BTU Mini-Split System, showing both indoor and outdoor units, along with the remote control.

5. OPERATING INSTRUCTIONS

The system is controlled via the provided hand-held remote controller. Ensure the remote has fresh batteries for optimal performance.

5.1 Basic Operation

- **Power On/Off:** Press the ON/OFF button to start or stop the unit.
- **Mode Selection:** Use the MODE button to cycle through available modes: Cool, Heat, Dry (dehumidifying), Fan, and Auto.
- **Temperature Adjustment:** Use the UP/DOWN arrow buttons to set your desired temperature.
- **Fan Speed:** Adjust fan speed using the FAN SPEED button. Options include Quiet, Low, Medium, High, Super High, and Auto.

5.2 Advanced Features

- **Smart Set:** Program your preferred settings (temperature, fan speed, mode) for quick recall with a single button.
- **Econo Cool:** Activates an energy-saving mode that intelligently adjusts airflow and temperature for

comfort.

- **Smart Dry Mode:** Optimizes dehumidification to reduce humidity without excessive cooling.
- **12-Hour Timer:** Set the unit to turn on or off automatically after a specified period.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your Mitsubishi Mini-Split system. Always disconnect power to the unit before performing any maintenance.

6.1 Filter Cleaning

The indoor unit's air filters should be cleaned regularly (e.g., every 2-4 weeks, depending on usage and air quality). Refer to your installer or the full product manual for specific instructions on how to remove, clean, and reinsert the filters.

6.2 Outdoor Unit Care

Keep the area around the outdoor unit clear of debris, leaves, and other obstructions to ensure proper airflow. Periodically inspect the blue fin coating for any damage. For detailed cleaning of the outdoor unit, consult a qualified technician.

7. TROUBLESHOOTING

If you experience issues with your unit, perform basic checks before contacting a technician:

- Ensure the unit is powered on and the remote control batteries are functional.
- Check if the air filters are clean and properly installed.
- Verify that no obstructions are blocking the indoor or outdoor unit's airflow.
- Confirm the correct operating mode and temperature settings.

For persistent issues or error codes displayed on the unit, contact a qualified HVAC technician for diagnosis and repair. Do not attempt to repair the unit yourself.

8. SPECIFICATIONS

Feature	Specification
Brand Name	MITSUBISHI
Model Info	MUZWX-MSZWX12NL
Item Weight	150 pounds
Product Dimensions	12 x 34 x 14 inches
Capacity	1 Tons (12,000 BTU)
Annual Energy Consumption	1333 Watt Hours
Noise Level	30 Decibels
Installation Type	Split System

Feature	Specification
Form Factor	Mini-Split
Special Features	Auto Clean, Fast Cooling, Heating & Cooling Function, Inverter Compressor
Color	White
Voltage	220 Volts
Wattage	1800 watts
Included Components	Remote
Floor Area Coverage	550 Square Feet
Seasonal Energy Efficiency Ratio (SEER)	18.00

Outdoor unit model			MUZ-WX09NL	MUZ-WX12NL	MUZ-WX18NL
Capacity Rated (Minimum–Maximum)	Cooling *1	Btu/h	9,000 (3,800–10,000)	12,000 (3,800–12,200)	17,200 (5,800–18,000)
	Heating 47 *1	Btu/h	10,900 (4,500–11,800)	12,200 (4,500–14,500)	18,000 (5,400–20,800)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,800 (7,200)	7,500 (9,000)	11,700 (15,000)
Power consumption Rated (Minimum–Maximum)	Cooling *1	W	820 (250–1,070)	1,330 (250–1,400)	1,810 (350–2,170)
	Heating 47 *1	W	900 (280–1,380)	1,090 (280–1,340)	1,680 (330–2,600)
Power consumption Rated (Maximum)	Heating 17 *2	W	850 (1,250)	940 (1,280)	1,360 (2,510)
EER2 *1 [SEER2] *3	Cooling		11.00 [18.0]	9.00 [18.0]	9.50 [18.0]
HSPF2 *4	Heating		8.5	8.5	8.5
COP	Heating		3.55	3.28	3.14
Power factor	Cooling	%	89	96	98
	Heating	%	91	94	97
Power supply	V, phase, Hz		208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
Max. fuse size (time delay)	A		15	15	20
Min. circuit ampacity	A		10	10	16
Fan motor	F.L.A	A	0.71	0.71	0.71
Compressor	Model		KRB073FATMC	KRB073FATMC	SRB140FQHMC SRB140FQHMT
	R.L.A	A	5.6	5.6	9.4
	L.R.A	A	7.0	7.0	11.7
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27)/(RM68EH)	9.1 (0.27)/(RM68EH)	11.8 (0.35)/(RM68EH)
Refrigerant control			Linear expansion valve	Linear expansion valve	Linear expansion valve
Sound level *1	Cooling	dB(A)	48	51	53
	Heating	dB(A)	50	51	51
Airflow High–Med.–Low	Cooling	CFM	1,141–1,031–1,031	1,141–1,031–1,031	1,166–1,166–469
	Heating	CFM	1,196–1,141–794	1,141–1,141–794	1,152–1,152–739
Fan speed High–Med.–Low	Cooling	rpm	850–770–770	850–770–770	910–910–410
	Heating	rpm	890–850–600	850–850–600	900–900–600
Defrost method			Reverse cycle	Reverse cycle	Reverse cycle
Dimensions	W	in.	31-1/2	31-1/2	31-1/2
	D	in.	11-1/4	11-1/4	11-1/4
	H	in.	21-5/8	21-5/8	21-5/8
Weight	lb.		65	65	81
External finish			Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1	Munsell 3Y 7.8/1.1
Remote controller			Wireless type	Wireless type	Wireless type
Control voltage (by built-in transformer)	V DC		12–24	12–24	12–24
Refrigerant piping			Not supplied	Not supplied	Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	1/4 (0.0315)	1/4 (0.0315)
	Gas	in.	3/8 (0.0315)	3/8 (0.0315)	1/2 (0.0315)
Connection method	Indoor		Flared	Flared	Flared
	Outdoor		Flared	Flared	Flared
Between the indoor & outdoor units	Height difference	ft.	40	40	40
	Piping length	ft.	65	65	65
Refrigerant charge (R454B)			1 lbs. 6 oz	1 lbs. 6 oz	2 lbs. 2 oz

Figure 2: Detailed technical specifications for various Mitsubishi Mini-Split models, including cooling/heating capacity, power consumption, and dimensions.

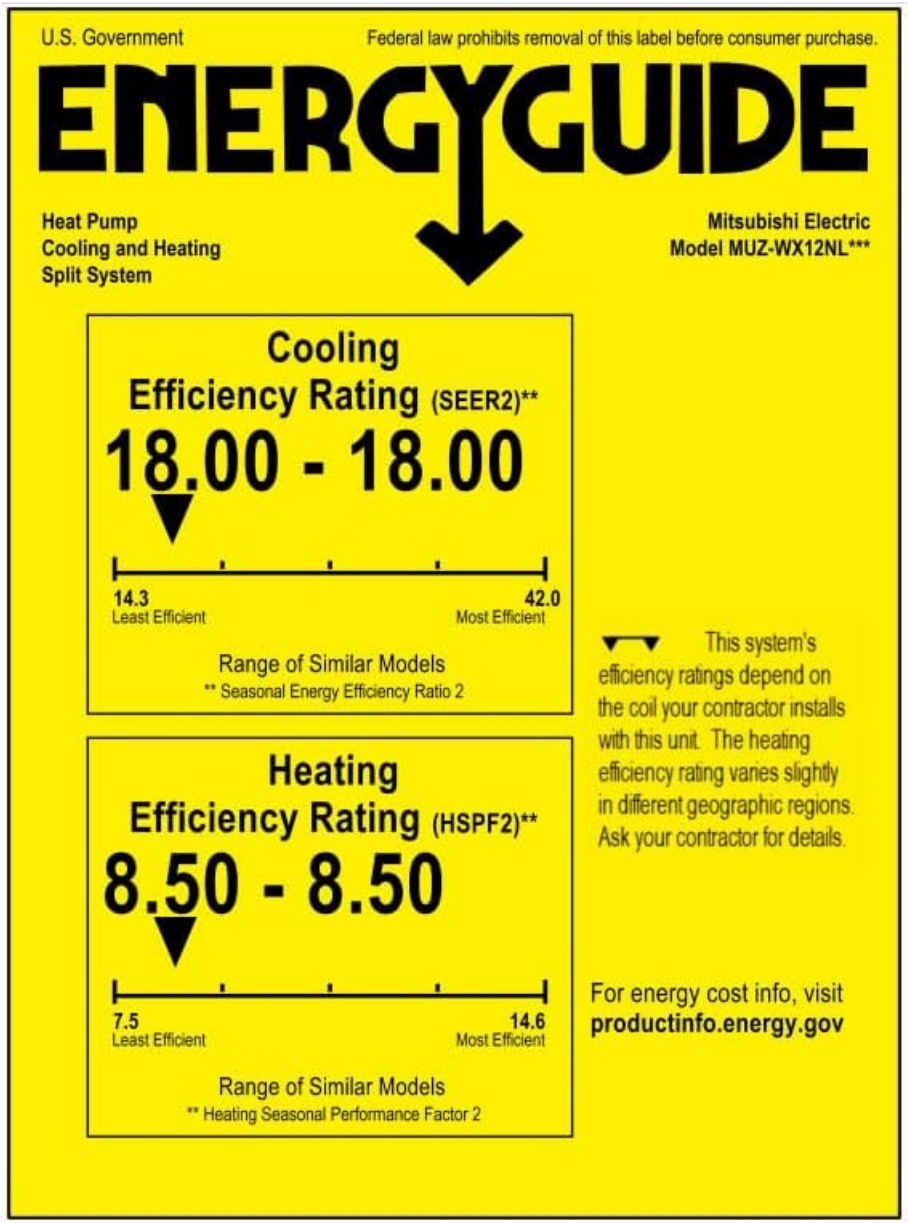






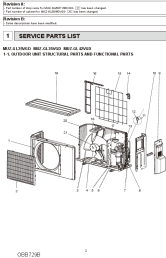


Figure 3: EnergyGuide label for the Mitsubishi MUZ-WX12NL model, indicating a cooling efficiency rating (SEER2) of 18.00 and a heating efficiency rating (HSPF2) of 8.50.

9. WARRANTY AND SUPPORT

The manufacturer provides a warranty that covers parts only. The installer is responsible for providing any labor warranty. Please retain your purchase receipt and installation documentation for warranty claims. For technical support, service inquiries, or to locate an authorized service provider, please refer to the contact information provided in your product packaging or on the official Mitsubishi website.

Related Documents - MUZWX-MSZWX12NL

 <p>MITSUBISHI TRANSISTORIZED INVERTER Instruction Manual</p> <p>PROGRAMMABLE CONTROLLER LINK UNIT TYPE FR-APC</p> <p>• PLG Feedback Control • MELSECNET/Mini-S3 Interface</p>	<p>Mitsubishi FR-APC Programmable Controller Link Unit Instruction Manual</p> <p>Instruction manual for the Mitsubishi FR-APC Programmable Controller Link Unit, detailing its use with FREQROL-A inverters for PLG feedback control and MELSECNET/MINI-S3 communication in industrial automation.</p>
 <p>MITSUBISHI</p> <p>GENERAL-PURPOSE INVERTER COMPUTER LINK UNIT FR-CU03 INSTRUCTION MANUAL</p>	<p>Mitsubishi FR-CU03 Computer Link Unit Instruction Manual</p> <p>Detailed instruction manual for the Mitsubishi FR-CU03 General-Purpose Inverter Computer Link Unit, covering installation, wiring, operation, programming, settings, troubleshooting, and specifications.</p>
 <p>MITSUBISHI MT160 MT160D MT180 MT180D INSTRUCTION BOOK</p>	<p>Mitsubishi MT160, MT160D, MT180, MT180D Tractor Instruction Manual</p> <p>Comprehensive instruction manual for Mitsubishi tractors, covering operation, lubrication, maintenance, safety precautions, specifications, and wiring diagrams for models MT160, MT160D, MT180, and MT180D.</p>
 <p>PAC-SDW01RC-1 SIMPLE DUCTLESS WIRED REMOTE CONTROLLER OPERATION MANUAL</p> <p>This manual is designed to help you get acquainted with your new Simple Ductless Wired Remote Controller. Check out the table of contents on page 2 to browse by topic.</p>  <p>Need Help? Get in Touch. Web: www.MitsubishiCom'fort.com Phone: 1-800-433-4922</p>	<p>PAC-SDW01RC-1 Simple Ductless Wired Remote Controller Operation Manual</p> <p>Comprehensive operation manual for the PAC-SDW01RC-1 Simple Ductless Wired Remote Controller, covering features, setup, operation, scheduling, and controller information.</p>
	<p>Installation Manual for Mitsubishi Heat Pump Water Heater Remote Control</p> <p>This installation manual provides detailed instructions for installing and configuring the remote control unit for Mitsubishi Heat Pump Water Heaters. It covers safety precautions, necessary accessories, installation procedures, wiring diagrams, initial setup, test runs, user environment settings, R/C function settings, and service & maintenance procedures.</p>
 <p>Package List</p> <p>1. SERVICE PARTS LIST</p> <p>05B709B</p>	<p>Mitsubishi MUZ-GL Series Outdoor Unit Service Parts List & Diagrams</p> <p>Find detailed service parts lists and exploded diagrams for Mitsubishi MUZ-GL25VGD, MUZ-GL35VGD, MUZ-GL42VGD, MUZ-GL50VGD, MUZ-GL60VGD, MUZ-GL71VGD, and MUZ-GL80VGD outdoor air conditioning units.</p>