

MITSUBISHI MUZWX-MSZWX24NL

Mitsubishi 24,000 BTU SEER 18 Wall Mount Ductless Mini-Split Inverter Cool & Heat Pump System User Manual

Model: MUZWX-MSZWX24NL | Brand: MITSUBISHI

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Mitsubishi 24,000 BTU SEER 18 Wall Mount Ductless Mini-Split Inverter Cool & Heat Pump System. This system is designed to provide both cooling and heating for areas up to 1000 sq ft, offering high efficiency and precise temperature control.

Key features include an inverter-driven compressor for optimal performance, an anti-corrosion coating on the outdoor unit's heat exchanger, dehumidifying mode, Jet Cool, Econo Cool, Smart Dry Mode, and an automatic restart function after power outages.

2. SAFETY INFORMATION

Important: This system must be installed by a qualified, licensed HVAC technician. Improper installation can lead to electric shock, fire, water leakage, or other damage. Do not attempt to install or service this unit yourself unless you are a certified professional.

Always ensure the power supply is disconnected before performing any maintenance or inspection. Keep the area around the outdoor unit clear of obstructions to ensure proper airflow.

3. PRODUCT COMPONENTS

Your Mitsubishi Mini-Split system includes the following main components:

- **Indoor Unit (Evaporator):** Mounted inside the room to deliver conditioned air.
- **Outdoor Unit (Condenser):** Houses the compressor and heat exchanger, installed outside the building.
- **Hand-held Remote Controller:** For convenient operation and setting adjustments.
- **Refrigerant Piping and Electrical Wiring:** Connects the indoor and outdoor units.

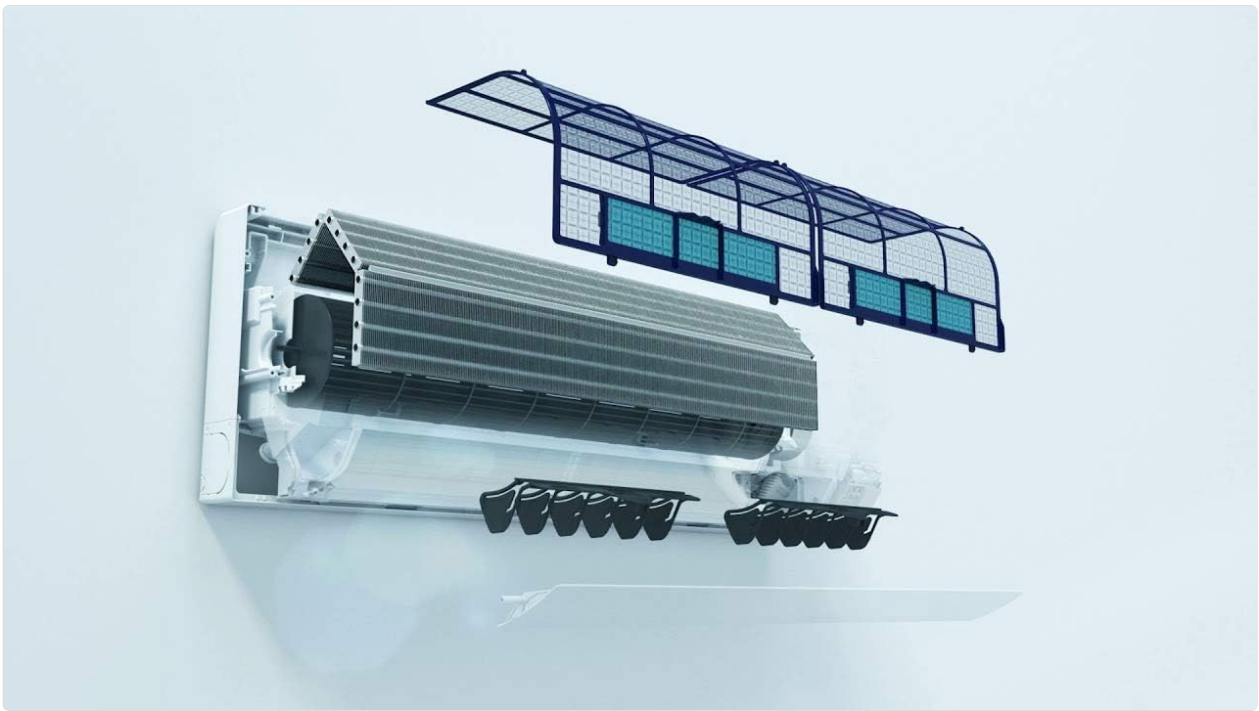


Figure 3.1: Exploded view of the indoor unit, illustrating its internal structure and components.



Figure 3.2: The sleek indoor unit seamlessly integrated into a living space.



Figure 3.3: The outdoor condenser unit, responsible for heat exchange.

4. INSTALLATION OVERVIEW

Installation of the Mitsubishi Mini-Split system involves mounting both the indoor and outdoor units, connecting refrigerant lines and electrical wiring, and ensuring proper drainage. A 3-inch hole is typically drilled through the wall to connect the indoor and outdoor units, allowing for refrigerant lines, communication wires, and the drain tube to pass through.

Remember: Professional installation is mandatory to ensure warranty validity and safe operation.

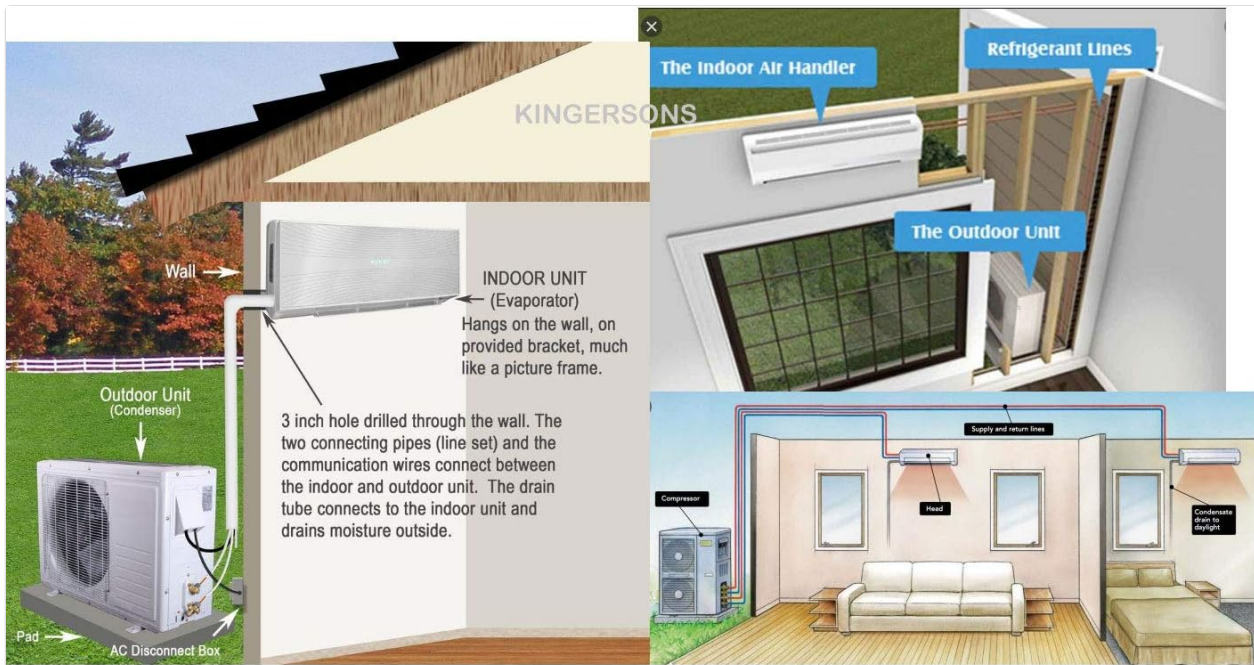


Figure 4.1: Typical installation diagram showing the connection between indoor and outdoor units.

5. OPERATING INSTRUCTIONS

Your mini-split system is controlled via a hand-held remote controller, allowing for easy adjustment of settings from anywhere within the room.

5.1 Remote Control

The remote controller acts as your thermostat and control center. Keep it close to the indoor unit for accurate temperature readings and effective communication. It allows you to power the unit on/off, select operating modes, adjust temperature, and set fan speeds.

5.2 Operating Modes and Features

- **Cool Mode:** Provides cooling to maintain your desired room temperature.
- **Heat Mode:** Provides heating to warm your room. The system has a maximum heating BTU of 26,500.
- **Dehumidifying Mode:** Reduces humidity levels in the room with minimal over-cooling.
- **Fan Mode:** Circulates air without heating or cooling.
- **Fan Speeds:** Choose from Quiet, Low, Medium, High, and Super High settings. An Auto fan speed control is also available.
- **Econo Cool:** Automatically adjusts airflow based on heat exchanger temperature, slightly increasing the set temperature to save energy while maintaining comfort.
- **Smart Dry Mode:** Improves humidity control.
- **Smart Set Feature:** Allows pre-programming of desired settings for single-button recall.
- **12-hour Timer:** Set the unit to turn on or off automatically after a specified period.

Note: No official product videos from the seller were available for embedding in this manual.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your mini-split system.

6.1 Filter Cleaning

The indoor unit is equipped with an **Auto Clean** feature. Additionally, it is recommended to regularly clean the air filters to maintain optimal airflow and air quality. Refer to the full product manual for detailed instructions on how to access and clean the filters.

6.2 Outdoor Unit Care

Periodically inspect the outdoor unit for any debris, leaves, or obstructions that might block airflow. The unit features a blue fin coating on the heat exchanger for anti-corrosion protection, especially in coastal or industrial areas.

7. TROUBLESHOOTING

If you encounter any issues with your system, please refer to the comprehensive troubleshooting guide in the full product manual. Common issues often relate to power supply, remote control battery, or blocked filters. For complex problems or issues requiring technical expertise, contact a qualified HVAC technician.

8. SPECIFICATIONS

Feature	Specification
Brand	MITSUBISHI
Model Name	MUZWX-MSZWX24NL
Capacity	2 Tons (24,000 BTU)
Cooling Power	24000 British Thermal Units
Heating BTU (Max)	26,500
Seasonal Energy Efficiency Ratio (SEER)	18.00
Voltage	220 Volts
Amperage	20 AMP Breaker
Noise Level	30 Decibels
Product Dimensions (D x W x H)	12"D x 38"W x 14"H
Item Weight	150 Pounds
Floor Area Coverage	Up to 1000 Square Feet
Control Method	Remote Control
Included Components	Remote

Outdoor unit model			MUZ-WX24NL
Capacity Rated (Minimum – Maximum)	Cooling *1	Btu/h	22,400 (5,800 – 22,400)
	Heating 47 *1	Btu/h	26,000 (5,400 – 26,000)
Capacity	Heating 17 *2	Btu/h	17,000 (17,800)

Rated (Maximum)	Heating 17	W	17,000 (17,000)
Power consumption Rated (Minimum–Maximum)	Cooling *1	W	2,800 (330–2,800)
	Heating 47 *1	W	2,680 (320–2,680)
Power consumption Rated (Maximum)	Heating 17 *2	W	2,100 (2,300)
EER2 *1 [SEER2] *3	Cooling		8.00 [18.0]
HSPF2 *4	Heating		8.5
COP	Heating		2.84
Power factor	Cooling	%	98
	Heating	%	97
Power supply	V, phase, Hz		208/230, 1, 60
Max. fuse size (time delay)	A		20
Min. circuit ampacity	A		16
Fan motor	F.L.A	A	0.74
Compressor	Model		SRB140FQHMC SRB140FQHMT
	R.L.A	A	9.8
	L.R.A	A	12.2
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35)/(RM68EH)
Refrigerant control			Linear expansion valve
Sound level *1	Cooling	dB(A)	57
	Heating	dB(A)	55
Airflow High–Med.–Low	Cooling	CFM	1,816–1,321–626
	Heating	CFM	1,582–1,321–553
Fan speed High–Med.–Low	Cooling	rpm	1,060–790–420
	Heating	rpm	930–790–380
Defrost method			Reverse cycle
Dimensions	W	in.	31-1/2
	D	in.	11-1/4
	H	in.	28-1/8
Weight	lb.		90
External finish			Munsell 3Y 7.8/1.1
Remote controller			Wireless type
Control voltage (by built-in transformer)		V DC	12–24
Refrigerant piping			Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)
	Gas	in.	1/2 (0.0315)
Connection method	Indoor		Flared
	Outdoor		Flared
Between the indoor & outdoor units	Height difference	ft.	40
	Piping length	ft.	65
Refrigerant charge (R454B)			2 lbs. 8 oz

Figure 8.1: Technical specifications for the outdoor unit (MUZ-WX24NL).

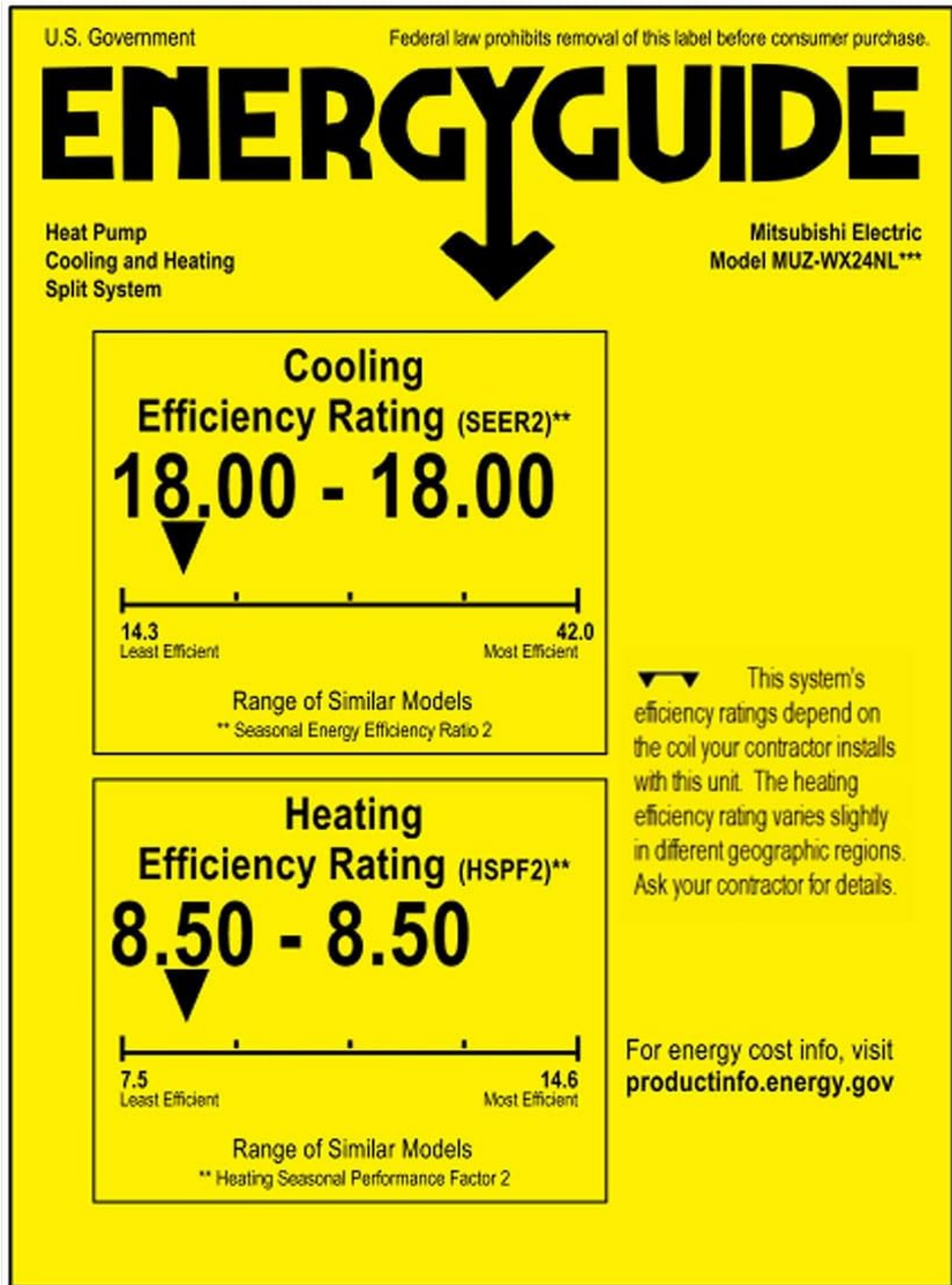


Figure 8.2: EnergyGuide label highlighting the system's efficiency ratings.

9. WARRANTY AND SUPPORT

The Mitsubishi Mini-Split system comes with a Limited 10-Year Manufacturer Warranty. This warranty is valid

with proof of professional installation by a qualified technician. The manufacturer covers parts only under warranty; the installer is responsible for labor warranty.

For warranty claims or technical support, please refer to the contact information provided in your official product documentation or visit the Mitsubishi Electric website.