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> Mitsubishi MSZ-AY35VGKP + MUZ-AY35VG Air Conditioner User Manual

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Model: MSZ-AY35VGKP + MUZ-AY35VG

PRODUCT OVERVIEW

The Mitsubishi MSZ-AY35VGKP + MUZ-AY35VG is a high-efficiency monosplit inverter air conditioning system designed for optimal climate control in residential and commercial spaces. This system provides both cooling and heating functionalities, ensuring comfort throughout the year. It features an indoor unit (MSZ-AY35VGKP) and an outdoor unit (MUZ-AY35VG), utilizing R-32 refrigerant for improved environmental performance.



This image displays the complete Mitsubishi split-system air conditioner. The top part shows the sleek, white indoor unit (MSZ-AY35VGKP) designed for wall mounting, featuring a minimalist design. Below it is the robust, off-white outdoor unit (MUZ-AY35VG) with a large grille for heat exchange and the Mitsubishi Electric logo prominently displayed on the side. This setup is typical for a monosplit air conditioning system.

SAFETY INFORMATION

Before operating the air conditioner, please read this manual carefully to ensure correct and safe usage. Keep this manual for future reference. Always follow local regulations and safety standards during installation and maintenance.

- Ensure the power supply matches the unit's specifications.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit.

- Do not block air inlets or outlets of either unit.
- In case of abnormal operation, turn off the unit immediately and disconnect power.

SETUP AND INSTALLATION

Installation of this air conditioning system requires professional expertise. It should only be performed by certified technicians to ensure proper functioning, safety, and compliance with local regulations. Incorrect installation can lead to water leakage, electric shock, fire, or other hazards.

Key Installation Considerations:

- **Location:** Choose a location for both indoor and outdoor units that allows for optimal airflow, easy maintenance, and minimal noise disturbance.
- **Mounting:** Ensure both units are securely mounted on a stable surface capable of supporting their weight.
- **Refrigerant Piping:** Proper sizing and insulation of refrigerant pipes are crucial for system efficiency.
- **Drainage:** Install drainage pipes with adequate slope to prevent water accumulation.
- **Electrical Wiring:** All electrical connections must comply with local codes and be performed by a licensed electrician.
- **Vacuuming and Refrigerant Charging:** The system must be properly vacuumed before charging with R-32 refrigerant to remove non-condensable gases.

Refer to the detailed installation manual provided with the product for specific instructions and diagrams.

OPERATING INSTRUCTIONS

The Mitsubishi MSZ-AY35VGKP + MUZ-AY35VG system is controlled via a remote controller (not pictured, but typically included). Familiarize yourself with the remote's functions for optimal use.

Basic Operations:

1. **Power On/Off:** Press the **ON/OFF** button to start or stop the unit.
2. **Mode Selection:** Use the **MODE** button to cycle through operating modes:
 - **COOL:** For cooling the room.
 - **HEAT:** For heating the room.
 - **DRY:** For dehumidification.
 - **FAN:** For air circulation without cooling or heating.
 - **AUTO:** The unit automatically selects the appropriate mode based on room temperature.
3. **Temperature Adjustment:** Use the **TEMP UP/DOWN** buttons to set your desired temperature.
4. **Fan Speed:** Adjust the fan speed using the **FAN SPEED** button. Options typically include Auto, Low, Medium, High.
5. **Airflow Direction:** Use the **VANE** or **SWING** buttons to adjust the vertical and horizontal airflow direction.

Advanced Features:

- **Timer Function:** Set the unit to turn on or off automatically at specific times.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Econo Cool:** An intelligent cooling function that automatically adjusts the airflow to optimize comfort and energy efficiency.
- **i-save Mode:** Allows you to recall a preferred setting with a single button press.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Mitsubishi air conditioner. Always turn off the unit and disconnect power before performing any maintenance.

User Maintenance:

- **Air Filter Cleaning:**

Clean the air filters of the indoor unit every two weeks or more frequently depending on usage and air quality. Open the front panel, remove the filters, and wash them with water or vacuum them. Allow them to dry completely before reinserting.

- **Unit Exterior Cleaning:**

Wipe the indoor and outdoor units with a soft, dry cloth. For stubborn dirt, use a damp cloth with a mild detergent, then wipe dry. Do not use harsh chemicals, abrasive cleaners, or hot water.

Professional Maintenance:

It is recommended to have your air conditioning system professionally inspected and serviced at least once a year by a qualified technician. This includes checking refrigerant levels, cleaning coils, inspecting electrical connections, and ensuring proper drainage.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter. If the problem persists after attempting these solutions, contact a qualified service technician.

Problem	Possible Cause	Solution
Unit does not operate.	No power; circuit breaker tripped; remote control batteries low.	Check power supply; reset circuit breaker; replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters; blocked outdoor unit; wrong mode selected; windows/doors open.	Clean air filters; clear obstructions from outdoor unit; select correct mode; close windows/doors.
Water leakage from indoor unit.	Clogged drain pipe; improper installation.	Check and clear drain pipe; contact technician for installation check.
Unusual noise.	Loose parts; foreign objects; compressor issue.	Turn off unit and inspect for loose parts or objects; if noise persists, contact technician.

SPECIFICATIONS

Detailed technical specifications for the Mitsubishi MSZ-AY35VGKP (Indoor Unit) and MUZ-AY35VG (Outdoor Unit) air conditioning system.

Feature	Specification
Indoor Unit Model	MSZ-AY35VGKP
Outdoor Unit Model	MUZ-AY35VG
Type	Inverter Monosplit

Feature	Specification
Cooling Capacity (Btu/h)	12000
SEER (Seasonal Energy Efficiency Ratio)	8.7
SCOP (Seasonal Coefficient of Performance)	4.7
Energy Class (Cooling)	A+++
Energy Class (Heating)	A++
Nominal Cooling Capacity (kW)	3.5
Nominal Heating Capacity (kW)	4.0
Power Input Cooling (kW)	0.99
Power Input Heating (kW)	1.03
Indoor Unit Sound Pressure (dB-A)	18-45
Outdoor Unit Sound Pressure (dB-A)	47-48
Refrigerant Type	R-32
Power Supply	230V / 50Hz / 1 Phase
Indoor Unit Dimensions (HxWxD)	299 x 798 x 245 mm
Indoor Unit Weight	11 kg
Outdoor Unit Dimensions (HxWxD)	550 x 800 x 285 mm
Outdoor Unit Weight	27 kg

WARRANTY AND SUPPORT

This Mitsubishi air conditioning system comes with a limited warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your product or contact your authorized Mitsubishi dealer.

For technical support, service requests, or inquiries about spare parts, please contact your local Mitsubishi Electric service center or the authorized dealer from whom you purchased the unit. Provide your model number (MSZ-AY35VGKP + MUZ-AY35VG) and serial number when contacting support.

Note: Any unauthorized repairs or modifications may void the product warranty.

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This manual is for informational purposes only. Specifications are subject to change without notice.