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› Aux ASW-12A2/FFR2 Mini-Split Air Conditioner User Manual

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Model: ASW-12A2/FFR2

1. INTRODUCTION

Thank you for choosing the Aux ASW-12A2/FFR2 Mini-Split Air Conditioner. This manual provides essential information for the safe installation, operation, and maintenance of your new air conditioning unit. Please read this manual thoroughly before installing or operating the unit and keep it for future reference. Proper use and maintenance will ensure optimal performance and extend the lifespan of your appliance.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, fire, injury, or property damage.

- **Professional Installation:** Installation, maintenance, and repair of this appliance must be performed by qualified service personnel. Incorrect installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications (220V). Do not use extension cords or multi-outlet adapters. The unit must be properly grounded. Never operate the unit with wet hands.
- **Refrigerant Handling:** This unit contains refrigerant. Only qualified personnel should handle refrigerant. Do not discharge refrigerant into the atmosphere.
- **Clearances:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit during operation and maintenance. Do not allow children to play with the remote control.
- **Flammable Materials:** Do not place flammable materials or spray aerosols near the unit.
- **Damage:** If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PRODUCT OVERVIEW

The Aux ASW-12A2/FFR2 is a conventional mini-split air conditioner designed for residential cooling. It consists of an indoor evaporator unit and an outdoor condenser unit.



Figure 3.1: Example image of an Aux Mini-Split Air Conditioner. This unit includes an indoor evaporator and an outdoor condenser for efficient cooling.

Key Features:

- **Cooling Capacity:** 12,000 BTU (1 Ton) for effective cooling of residential spaces.
- **Power Supply:** Operates on 220 Volts.
- **Operation Mode:** Cooling only.
- **Control:** Convenient remote control operation.
- **Components:** Includes both indoor (evaporator) and outdoor (condenser) units.

4. SETUP AND INSTALLATION

Installation of this mini-split air conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified HVAC technician to ensure safety and proper operation.

4.1 Pre-Installation Checks

- Verify that the installation site meets all local building codes and electrical regulations.
- Ensure the wall for the indoor unit is strong enough to support its weight.
- Confirm adequate space for the outdoor unit, ensuring proper airflow and drainage.
- Check that the power supply is 220V and has a dedicated circuit with appropriate overcurrent protection.

4.2 Indoor Unit Installation

1. **Mounting Plate:** Securely fasten the mounting plate to the wall, ensuring it is level.
2. **Wall Hole:** Drill a hole through the wall for refrigerant piping, drainage hose, and electrical cables. Ensure a slight downward slope for proper drainage.

3. **Piping and Wiring:** Connect the refrigerant pipes, drainage hose, and electrical cables to the indoor unit.
4. **Mounting:** Carefully hang the indoor unit onto the mounting plate.

4.3 Outdoor Unit Installation

1. **Location:** Place the outdoor unit on a firm, level surface, ensuring it is away from direct sunlight, heat sources, and areas with excessive dust or debris.
2. **Piping Connection:** Connect the refrigerant pipes from the indoor unit to the outdoor unit. Ensure proper flaring and tightening to prevent leaks.
3. **Electrical Connection:** Connect the electrical wiring between the indoor and outdoor units, and to the main power supply, following the wiring diagram provided with the unit.
4. **Vacuuming and Charging:** Evacuate the refrigerant lines using a vacuum pump to remove air and moisture. If necessary, add additional refrigerant according to the manufacturer's specifications.
5. **Leak Test:** Perform a leak test on all refrigerant connections using a leak detector or soapy water.

4.4 Drainage

Ensure the drainage hose from the indoor unit is properly routed to an outdoor drain point, allowing for continuous, unobstructed water flow. The hose must have a downward slope to prevent water accumulation and overflow.

5. OPERATING INSTRUCTIONS

Your Aux ASW-12A2/FFR2 air conditioner is controlled via a wireless remote control. Familiarize yourself with the remote's functions for optimal use.

5.1 Remote Control Functions

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Selects the operating mode. For this unit, the primary mode is COOL.
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Selects the fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the vertical louver movement for air direction.
- **TIMER Button:** Sets the ON/OFF timer for automatic operation.
- **SLEEP Button:** Activates sleep mode, which adjusts temperature and fan speed for comfortable sleep.

5.2 Basic Cooling Operation

1. Press the **POWER** button to turn on the unit.
2. Press the **MODE** button until 'COOL' mode is displayed (usually indicated by a snowflake icon).
3. Use the **TEMP ▲/▼** buttons to set your desired temperature. A comfortable range is typically between 22°C and 26°C (72°F and 79°F).
4. Adjust the fan speed using the **FAN** button as desired. 'Auto' mode allows the unit to automatically select the optimal fan speed.

6. MAINTENANCE

Regular maintenance ensures efficient operation and prolongs the life of your air conditioner. Always turn off the power supply to the unit before performing any maintenance.

6.1 Cleaning Air Filters

The air filters should be cleaned every two weeks, or more frequently if the unit is used heavily or in dusty environments.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
4. Allow the filters to dry completely in a shaded area before reinstalling them. Do not expose to direct sunlight.
5. Reinstall the dry filters and close the front panel.

6.2 Cleaning the Indoor Unit

Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the surface.

6.3 Cleaning the Outdoor Unit

Periodically check the outdoor unit for any obstructions such as leaves, dirt, or debris. Clear any blockages from the condenser coils and fan blades. For thorough cleaning of the coils, it is recommended to contact a professional technician.

7. TROUBLESHOOTING

Before contacting service, please check 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	Dirty air filters; Blocked outdoor unit; Temperature setting too high; Doors/windows open	Clean air filters; Clear obstructions from outdoor unit; Lower temperature setting; Close doors/windows
Water leakage from indoor unit	Clogged or kinked drain hose; Improper installation	Check and clear drain hose; Contact a professional for inspection
Unusual noise	Loose parts; Obstruction in fan; Unit not level	Inspect for loose parts; Remove obstructions; Ensure unit is level; If noise persists, contact service
Remote control not working	Dead batteries; Obstruction between remote and unit; Remote out of range	Replace batteries; Remove obstructions; Operate within effective range

If the problem persists after attempting these solutions, or if you encounter an error code not listed, please contact qualified service personnel.

8. SPECIFICATIONS

Specification	Value
Model Name	ASW-12A2/FFR2

Specification	Value
Brand	Aux
Capacity	1 Ton (12,000 BTU)
Operating Mode	Cooling Only
Voltage	220 Volts
Wattage	1510 watts
Annual Energy Consumption	700 Kilowatt Hours
Noise Level	51 Decibels
Dimensions (D x W x H)	29 cm x 77.7 cm x 49.8 cm (Note: Original source listed as 0.29 x 7.77 x 4.98 Meters, likely a decimal placement error for a mini-split unit)
Item Weight	8.25 Kilograms
Color	White
Power Source	Wired Electric
Form Factor	Mini-split
Inverter Type	Non-inverter
Compressor Type	Rotary Scroll
Outdoor Unit Required	Yes
Application	Residential
Control Method	Remote Control
Included Items	Condenser, Evaporator
Manufacturer	AUX
BEE Rating	1 Star

9. WARRANTY AND SUPPORT

9.1 Product Warranty

This Aux ASW-12A2/FFR2 air conditioner comes with the following warranty:

- **Parts:** 1 Year Limited Warranty
- **Conventional Compressor:** 5 Years Limited Warranty

The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper

installation, misuse, neglect, accident, or unauthorized repairs. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty claims, or to schedule service, please contact your authorized Aux dealer or service center. Please have your model number (ASW-12A2/FFR2) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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Question

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