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Sharp AY-A18USE

Sharp AY-A18USE 2.25 HP Cool/Heat Split Air Conditioner User Manual

Model: **AY-A18USE** | Brand: **Sharp**

1. Introduction and Overview

Thank you for choosing the Sharp AY-A18USE 2.25 HP Cool/Heat Split Air Conditioner. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air conditioning unit. Please read this manual thoroughly before using the appliance and keep it for future reference.
The Sharp AY-A18USE is a powerful 2.25 HP split air conditioner designed for both cooling and heating, featuring a Turbo Cooling function for rapid temperature reduction, a dry function for dehumidification, and an auto-restart feature. Its anti-corrosion outdoor unit ensures durability, while the wide horizontal louver and auto-swing function provide optimal air distribution. The unit operates with R22a refrigerant and includes a high-efficiency heat exchanger for effective performance.

2. Safety Information

Important: Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury.

- Read all instructions before using the appliance.
- Installation and maintenance should only be performed by qualified personnel.
- Ensure the power supply matches the unit's specifications (230 Volts).
- Do not insert fingers or objects into the air inlet/outlet.
- Keep children away from the unit and remote control.
- Do not attempt to repair or modify the unit yourself. Contact authorized service personnel.
- Ensure proper grounding to prevent electric shock.

3. Product Components

Your Sharp AY-A18USE air conditioner system consists of the following main components:

- Indoor Unit
- Outdoor Unit
- Wireless LCD Remote Control



Figure 3.1: Sharp AY-A18USE Indoor Unit. This image shows the sleek white indoor unit of the split air conditioner, designed for wall mounting.



Figure 3.2: Sharp AY-A18USE Outdoor Unit. This image displays the robust outdoor unit, featuring a protective grille over the fan and the Sharp logo, designed to withstand external conditions.

4. Setup and Installation

Professional installation by a certified technician is highly recommended for optimal performance and safety.

4.1 Site Selection

- Choose a location for the indoor unit that allows for even air distribution and is away from direct sunlight or heat sources.
- The outdoor unit should be placed in a well-ventilated area, away from obstacles that could impede airflow.

4.2 Dimensions and Weight

Consider the following dimensions and weights for installation planning:

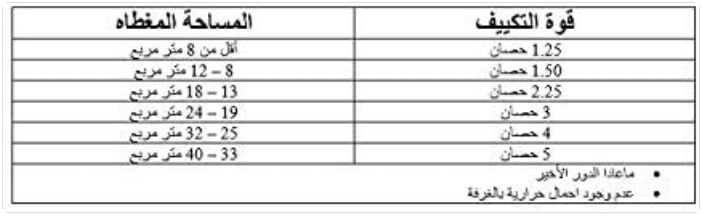
- **Indoor Unit:** 1040 mm (Width) x 325 mm (Height) x 222 mm (Depth) | Net Weight: 15 kg
- **Outdoor Unit:** 890 mm (Width) x 645 mm (Height) x 327 mm (Depth) | Net Weight: 55 kg

4.3 Pipe Connection

The standard pipe connection length provided is 3 meters. Ensure this length is sufficient for your installation requirements.

4.4 Room Sizing Guide

Refer to the following guide for recommended air conditioner capacity based on room size. This is a general guideline; actual requirements may vary based on insulation, window exposure, and heat load.



قوة التكييف	المساحة المغطاه
1.25 حصان	أقل من 8 متر مربع
1.50 حصان	8 – 12 متر مربع
2.25 حصان	13 – 18 متر مربع
3 حصان	19 – 24 متر مربع
4 حصان	25 – 32 متر مربع
5 حصان	33 – 40 متر مربع
• ماعدا الدور الأخير • عدم وجود احمال حرارية بالغرفة	

Figure 4.1: Air Conditioner Sizing Chart. This chart provides recommendations for air conditioner horsepower based on the area to be covered, helping users select the appropriate unit for their room size.

Recommended AC Capacity by Room Area

Covered Area (Square Meters)	AC Horsepower
Less than 8	1.25 HP
8 - 12	1.50 HP
13 - 18	2.25 HP
19 - 24	3 HP
25 - 32	4 HP
33 - 40	5 HP

Note: This chart is a general guide. Factors like ceiling height, insulation, and direct sunlight can affect the required capacity.

5. Operating Instructions

Your air conditioner is controlled by a wireless LCD remote control. Ensure batteries are correctly inserted.

5.1 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.
  - **Dry:** For dehumidification.
  - **Heat:** For heating the room.
  - **Fan:** For air circulation without cooling/heating.
- **Temperature Adjustment:** Use the **TEMP UP (▲)** and **TEMP DOWN (▼)** buttons to set your desired temperature.
- **Fan Speed:** Press the **FAN SPEED** button to adjust the fan speed (Low, Medium, High, Auto).

5.2 Special Functions

- **Turbo Cooling:** Activates maximum cooling power for rapid temperature reduction. Refer to your remote control for the specific button (often labeled "TURBO").
- **Auto Swing:** Press the **SWING** button to activate automatic vertical louver movement for even air distribution.
- **Auto Restart:** In case of a power outage, the unit will automatically restart with the previous settings once power is

restored.

6. Maintenance

Regular maintenance ensures efficient operation and extends the lifespan of your air conditioner.

6.1 Air Filter Cleaning

- The indoor unit is equipped with pre-filtration filters.
- Clean the air filters every two weeks or more frequently if the unit is used often or in dusty environments.
- To clean: Open the front panel of the indoor unit, remove the filters, wash them with lukewarm water and mild detergent, rinse thoroughly, and let them dry completely before reinserting.

6.2 Outdoor Unit Maintenance

- Periodically check the outdoor unit for any obstructions (leaves, debris) and clear them.
- Ensure the area around the outdoor unit is clear for proper airflow.
- For thorough cleaning of the outdoor unit coils, it is recommended to contact a professional service technician.

6.3 Seasonal Checks

- Before the cooling season, ensure all components are clean and functioning correctly.
- Check for any unusual noises or leaks.

7. Troubleshooting

Before contacting service, please check the following common issues:

Problem	Possible Cause	Solution
Unit does not start	No power, remote control batteries dead, timer function active.	Check power supply, replace remote batteries, cancel timer.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, windows/doors open, temperature setting incorrect.	Clean filters, clear obstructions, close openings, adjust temperature.
Unusual noise	Loose parts, foreign objects, unit not level.	Check for loose parts, remove objects, ensure unit is level. If noise persists, contact service.
Water leakage from indoor unit	Blocked drain hose, improper installation.	Check and clear drain hose. If issue persists, contact professional installer.

If the problem persists after checking these points, please contact authorized service personnel.

8. Specifications

Feature	Detail
Brand Name	Sharp

Feature	Detail
Model Name	AY-A18USE
Type	Split System Air Conditioner
Function	Cooling / Heating
Cooling Capacity	17400 BTU/hr
Heating Capacity	19800 BTU/hr
Horsepower	2.25 HP
Refrigerant	R22a
EER	10.5
Voltage	230 Volts
Indoor Unit Dimensions (W x H x D)	1040 x 325 x 222 mm
Outdoor Unit Dimensions (W x H x D)	890 x 645 x 327 mm
Indoor Unit Net Weight	15 kg
Outdoor Unit Net Weight	55 kg
Pipe Connection Length	3 meters
Filter Type	Pre-filtration
Compressor Type	Rotary Scroll
Inverter Type	Non-inverter
Control Method	Remote Control
Special Features	Anti-corrosion outdoor unit, Dry function, Turbo cooling, Auto-restart, Wide horizontal louver, Auto swing (up/down), LCD wireless remote, High-efficiency heat exchanger, Low voltage operation, Low noise.

9. Warranty and Support

Your Sharp AY-A18USE Air Conditioner comes with a **5-year limited warranty**.
For warranty claims, technical support, or service inquiries, please contact the Al-Araby Company support hotline:

Hotline: 19319

Please have your model number (AY-A18USE) and purchase details ready when contacting support.

10. Video Resources

No official product videos from the seller are available for this model at this time.

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