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Kelvinator KAS-Y18310B

Kelvinator 1.5 Ton 3 Star Split AC User Manual

Model: KAS-Y18310B

Introduction

This manual provides essential information for the safe and efficient operation of your Kelvinator 1.5 Ton 3 Star Split AC, Model KAS-Y18310B. Please read this manual thoroughly before installation and use, and keep it for future reference.

The Kelvinator 3-in-1 Convertible Air Conditioner features SwitchTon Technology, allowing control over cooling capacity (50%, 75%, or 100%) via the remote's Gear button. It includes a blue fin epoxy coating on the condenser for enhanced durability and cooling efficiency by preventing corrosion. All internal components, including evaporator coil, condenser coil, and connecting tube, are made of 100% copper for efficient cooling and extended lifespan.

Package Contents

Upon unpacking, ensure all the following items are present:

- Main Unit (Indoor Unit)
- Remote Controller
- Warranty Card
- User Manual (this document)

If any items are missing or damaged, contact your retailer immediately.

Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the unit:

- Ensure the power supply matches the unit's specifications.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.

- Keep the area around the outdoor unit clear of obstructions.
- Do not insert fingers or objects into the air inlet/outlet.
- Unplug the unit before cleaning or maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Setup and Installation

Installation should be performed by a qualified technician. Improper installation can lead to water leakage, electric shock, or fire.

Indoor Unit Placement

The indoor unit should be mounted on a wall strong enough to support its weight, away from direct sunlight or heat sources. Ensure proper air circulation around the unit.

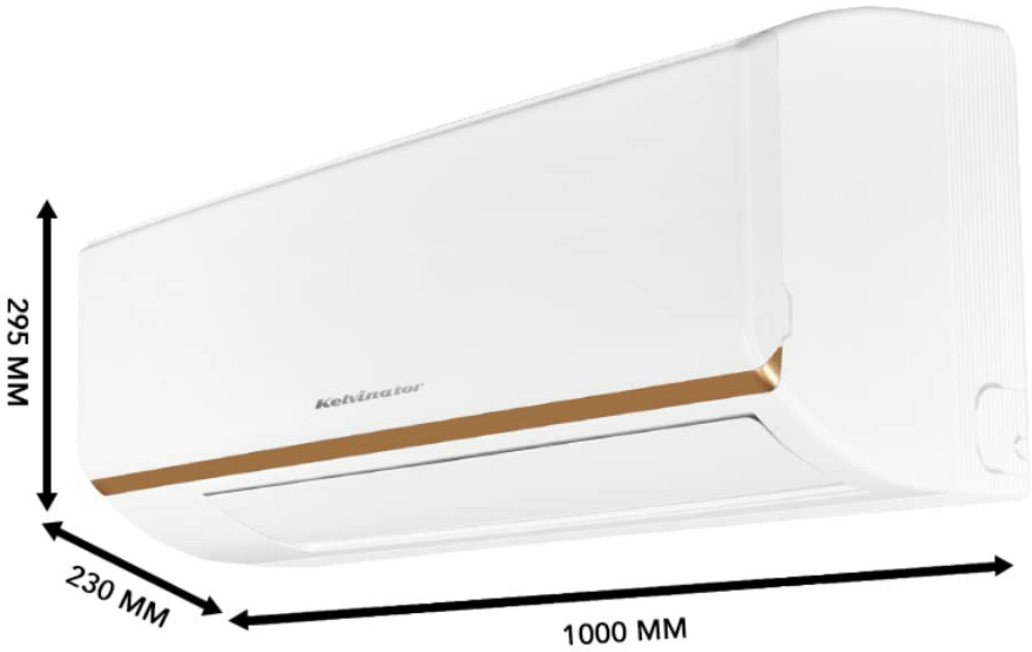


Figure 1: Indoor unit dimensions. The indoor unit measures approximately 1000 mm (width) x 295 mm (height) x 230 mm (depth).

Outdoor Unit Placement

The outdoor unit should be placed in a well-ventilated area, away from obstacles that might block airflow. Ensure it is on a stable, level surface.



Figure 2: Outdoor unit dimensions. The outdoor unit measures approximately 780 mm (width) x 557 mm (height) x 241 mm (depth).

Electrical Connection

Connect the unit to a dedicated power circuit with appropriate voltage and current ratings. Refer to the electrical wiring diagram provided by the installer for specific connections.

Operating Instructions

Your Kelvinator AC is designed for user-friendly operation. Use the remote controller to access various functions.



Figure 3: Front view of the Kelvinator AC indoor unit.

Remote Controller Functions

The remote controller allows you to adjust settings such as temperature, fan speed, and operating modes.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes: Cool, Fan, Dry, Auto.
- **Temperature Adjustment:** Use the Up/Down arrows to set the desired temperature.
- **Fan Speed Button:** Selects fan speed: Auto, Low, Medium, High.
- **Gear Button (SwitchTon Technology):** Adjusts cooling capacity to 50%, 75%, or 100% power consumption levels. This optimizes energy usage based on your cooling needs.
- **Sleep Mode:** Adjusts temperature automatically for comfortable sleep and energy saving.
- **Turbo Mode:** Provides rapid cooling to reach the set temperature quickly.
- **Auto Restart:** The unit automatically restarts with previous settings after a power outage.



Figure 4: Key features of the Kelvinator AC, including SwitchTon Technology, Smart FiltAir, Independent Dehumidification, and cooling capability up to 51°C ambient temperature.

Special Features

- **SwitchTon Technology:** Allows selection of 50%, 75%, or 100% cooling capacity for energy optimization.
- **Smart FiltAir:** Refers to the PM 2.5 filter for improved air quality.
- **Independent Dehumidification:** Reduces humidity in the room without significant cooling.
- **Blue Fin Epoxy Coating:** Protects the condenser coil from corrosion, enhancing durability and heat transfer efficiency.
- **100% Copper Coils:** Ensures efficient heat exchange and long-term durability against corrosion.

Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your AC unit.

Air Filter Cleaning

Clean the air filters every two weeks or more frequently if the unit is used heavily or in dusty environments. Dirty filters reduce cooling efficiency and airflow.

1. Turn off the AC unit and disconnect power.
2. Open the front panel of the indoor unit.
3. Remove the air filters.
4. Clean the filters with a vacuum cleaner or wash them with lukewarm water and mild detergent.
5. Allow filters to dry completely before re-installing.
6. Close the front panel.

Outdoor Unit Cleaning

Periodically clean the outdoor unit's coils and fins to ensure proper heat dissipation. Remove any debris, leaves, or dirt. This should ideally be done by a professional.

Professional Servicing

It is recommended to have your AC unit professionally serviced at least once a year by a qualified technician. This includes checking refrigerant levels, electrical connections, and overall system performance.

Troubleshooting

Before calling for service, check the following common issues:

Problem	Possible Cause	Solution
Unit does not start	No power; Remote batteries dead; Timer function active.	Check power supply/circuit breaker; Replace remote batteries; Cancel timer setting.
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Doors/windows open; Temperature setting too high.	Clean air filters; Clear obstructions; Close doors/windows; Lower temperature setting.
Unusual noise	Loose parts; Obstruction in fan; Unit not level.	Contact service technician.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Contact service technician.

If the problem persists after attempting these solutions, please contact Kelvinator customer support.

Specifications

Feature	Detail
Brand	Kelvinator
Model	KAS-Y18310B
Capacity	1.5 Tons
Energy Efficiency	3 Star (Moderate Efficiency)
Annual Energy Consumption	1850 Watts
Noise Level (Indoor Unit)	46 dB
Installation Type	Split System
Refrigerant	R-32
Filter Types	PM 2.5 Filter
Air Throw (CFM)	635.66 CFM
Air Direction	2 Way
Speed Settings	4 Speeds (Auto, Low, Medium, High)
Inverter Technology	Yes
Wi-Fi Connectivity	No
Special Features	Auto Restart, Sleep Mode, Turbo Mode, SwitchTon Technology, Independent Dehumidification
Color	White
Material (Coils)	100% Copper
Voltage	230 Volts
Wattage	1478 Watts
Indoor Unit Dimensions (LxWxH)	100 x 23 x 29.5 Centimeters
Outdoor Unit Dimensions (LxWxH)	78 x 24.1 x 55.7 Centimeters
Indoor Unit Weight	14 kg
Outdoor Unit Weight	31.5 kg
Manufacturer	Amber Enterprises India Ltd.
First Available Date	28 January 2023

Warranty and Support

Warranty Information

Your Kelvinator AC comes with a**1 Year Warranty** from the date of purchase. Please refer to the warranty card included in your package for detailed terms and conditions. Keep your purchase receipt as proof of purchase.

Customer Support

For technical assistance, service requests, or any inquiries regarding your Kelvinator AC, please contact Kelvinator customer support. Contact details can typically be found on the warranty card or the official Kelvinator website. When contacting support, please have your model number (KAS-Y18310B) and purchase details ready.

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