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EMtronics EMAC9KW

EMtronics EMAC9KW Portable Air Conditioner User Manual

Model: EMAC9KW | 9000 BTU Portable Air Conditioner, Dehumidifier, and Cooling Fan

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before operating your EMtronics portable air conditioner. Keep these instructions for future reference. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Electrical Safety:** Always plug the unit into a grounded electrical outlet. Do not use extension cords or adapter plugs. If the power cord or plug becomes hot during operation, immediately unplug the unit and contact customer support. This may indicate an electrical issue.
- Do not operate the unit with a damaged cord or plug.
- Do not block air inlets or outlets. Ensure adequate clearance around the unit for proper airflow.
- Do not insert fingers or objects into the air outlet grille.
- Always unplug the unit before cleaning or performing any maintenance.
- Do not use the unit in wet areas such as bathrooms or laundries.
- Ensure the unit is placed on a stable, level surface to prevent tipping and water leakage.
- Keep children and pets away from the unit during operation.

2. PRODUCT OVERVIEW

The EMtronics EMAC9KW is a versatile portable unit offering air conditioning, dehumidification, and fan functions. It is designed for cooling rooms up to 37 square meters.



Figure 2.1: Main unit and included accessories: exhaust hose, window kit components, remote control, and window seal fabric with velcro.



Figure 2.2: Close-up of the unit's top control panel, showing buttons for Power, Temperature adjustment, Mode, Speed, and Timer.



Figure 2.3: The portable air conditioner unit displayed alongside its remote control, exhaust hose, and window sealing kit components.



Figure 2.4: Rear view of the unit, showing the air intake grille, exhaust port, and drainage outlets.

Components:

- Main Portable Air Conditioner Unit
- Remote Control (2 AAA batteries included)
- Exhaust Hose
- Window Vent Kit (includes fabric seal and velcro tape)
- Hose Adapters

3. SETUP AND INSTALLATION

Proper setup is crucial for efficient operation.

3.1 Unpacking

1. Carefully remove the unit and all accessories from the packaging.
2. Inspect for any shipping damage. If damaged, do not operate and contact your retailer.
3. Allow the unit to stand upright for at least 2 hours before operation if it was not stored upright.

3.2 Placement

- Place the unit on a firm, level surface in the room to be cooled.
- Ensure there is at least 30cm (12 inches) of space around the unit for proper air circulation.
- Position the unit near a window or opening for exhaust hose installation.

3.3 Exhaust Hose and Window Kit Installation

The exhaust hose expels hot air outside, which is essential for effective cooling.



Figure 3.1: Example of the window kit installed, showing the exhaust hose extending from the unit through the fabric window seal.

1. Attach one end of the exhaust hose to the hose adapter.
2. Connect the hose adapter to the exhaust port on the back of the air conditioner unit.
3. Open the window where the unit will be vented.
4. Apply the self-adhesive velcro tape around the window frame and the window itself, ensuring a secure attachment for the fabric window seal.
5. Attach the fabric window seal to the velcro, creating an enclosed space around the window opening.
6. Insert the other end of the exhaust hose through the opening in the fabric window seal and secure it. Ensure the hose is as straight and short as possible to maximize cooling efficiency. Avoid sharp bends or kinks.

7. Note: The provided exhaust hose is designed for convenience. For optimal performance and to prevent heat re-entry, consider insulating the hose or using a shorter, more rigid alternative if possible.

4. OPERATING INSTRUCTIONS

Your EMtronics air conditioner can be controlled via the top panel or the remote control.

4.1 Control Panel and Remote Control





Figure 4.1: Front view of the unit, highlighting the air outlet louvers and the EMtronics branding.





Figure 4.2: Angled view showing the top control panel with illuminated indicators for various modes and settings.

The control panel on top of the unit features touch-sensitive buttons and an LED display. The remote control provides convenient operation from a distance.

4.2 Operation Modes

- **Air Conditioning Mode:** Press the 'MODE' button until the 'COOL' indicator lights up. Use the 'TEMP+' or 'TEMP-' buttons to set your desired temperature (16°C to 31°C). The unit will cool the room and expel hot air.
- **Dehumidifier Mode:** Press the 'MODE' button until the 'DEHUM' indicator lights up. In this mode, the unit removes moisture from the air. The fan speed is typically fixed to a low setting.
- **Fan Mode:** Press the 'MODE' button until the 'FAN' indicator lights up. In this mode, the unit circulates air without cooling. Use the 'SPEED' button to adjust fan speed (Low, Medium, High).

4.3 Other Functions

- **Timer Function:** Press the 'TIMER' button to set an auto-on or auto-off time (up to 24 hours). Use 'TEMP+' or 'TEMP-' to adjust the hours.
- **Sleep Mode:** Press the 'SLEEP' button on the remote control. In this mode, the unit operates at a quieter setting, gradually increasing the temperature by 1°C after the first hour and another 1°C after the second hour, maintaining this temperature for 6 hours before returning to normal operation.
- **Fan Speed:** In Air Conditioning or Fan mode, press the 'SPEED' button to cycle through Low, Medium, and High fan speeds.

5. MAINTENANCE

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

5.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Unplug the air conditioner from the power outlet.
2. Locate the air filter panel (usually on the back or side of the unit).
3. Remove the filter.
4. Clean the filter using a vacuum cleaner to remove dust, or wash it gently with warm water and mild detergent.
5. Rinse thoroughly and allow the filter to air dry completely before reinserting it.

5.2 Draining Water

The unit collects condensed water during cooling and dehumidifying operations. The unit has an auto-evaporation system, but in high humidity, the water tank may fill up.

- **Manual Drainage:** When the internal water tank is full, the unit will stop operating and display an indicator (refer to your unit's specific display for 'full water' warning). Place a shallow pan or tray under the drainage outlet at the bottom rear of the unit. Remove the drain plug to allow water to flow out. Replace the plug once drained.
- **Continuous Drainage:** For continuous operation in high humidity, attach a drainage hose (not included) to the continuous drainage port and route it to a floor drain or suitable container.

5.3 Storage

Before storing the unit for an extended period:

1. Ensure all water is drained from the unit.
2. Clean the air filter.
3. Run the unit in fan-only mode for a few hours to dry the internal components.
4. Unplug the power cord and coil it neatly.
5. Store the unit in a cool, dry place, covered to protect it from dust.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power; Power cord not plugged in; Full water tank.	Check power outlet; Plug in power cord securely; Drain water tank.
Unit not cooling effectively.	Windows/doors open; Room too large; Air filter dirty; Exhaust hose blocked/kinked/leaking; High ambient temperature.	Close windows/doors; Ensure room size is within unit's capacity (up to 37 sqm); Clean air filter; Check exhaust hose for obstructions, kinks, or leaks, ensure window seal is tight.
Unit is noisy.	Normal operation sound; Unit not on level surface.	Portable air conditioners produce noise from the compressor and fan; this is normal. Ensure unit is on a flat, stable surface.
Water leaking from unit.	Drain plug not secured; Unit not level; Continuous drainage hose disconnected.	Check and secure drain plug; Place unit on a level surface; Reconnect continuous drainage hose if used.

Problem	Possible Cause	Solution
Power cable/plug gets hot.	Immediately unplug the unit. Do not use. Contact customer support or a qualified electrician.	

7. SPECIFICATIONS

Technical specifications for the EMtronics EMAC9KW.

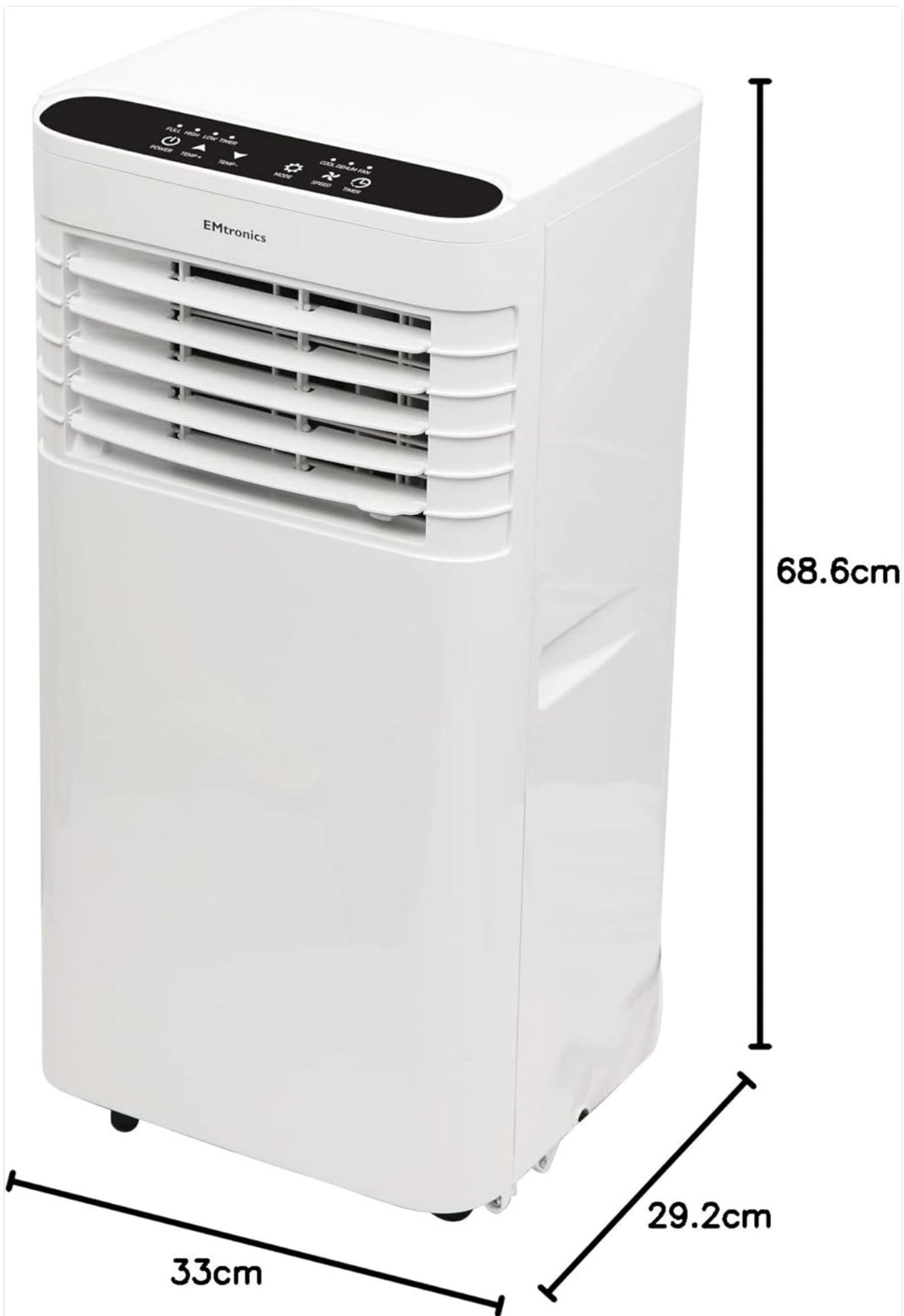


Figure 7.1: Diagram showing the dimensions of the EMtronics EMAC9KW unit: 68.6cm height, 33cm depth, and 29.2cm width.



Figure 7.2: Energy efficiency label indicating a rating of 'A' for the unit.

Feature	Specification
Brand	EMtronics
Model	EMAC9KW
Cooling Capacity	9000 BTU
Functions	Air Conditioner, Dehumidifier, Fan
Cooling Range	16°C to 31°C
Recommended Room Size	Up to 37 sqm
Product Dimensions (L x W x H)	33 x 29.2 x 68.6 cm
Item Weight	26 kg
Wattage	900 watts
Energy Efficiency Rating	A
Timer	24 Hour
Control Type	LED Display, Remote Control
Batteries for Remote	2 AAA (included)

8. WARRANTY AND SUPPORT

Specific warranty details are typically provided with your purchase documentation or on the manufacturer's official website. For technical support, service, or warranty claims, please contact EMtronics customer service directly.

Please have your model number (EMAC9KW) and purchase date ready when contacting support.