De'Longhi PAC N77 ECO

De'Longhi Pinguino PAC N77 ECO Portable Air Conditioner User Manual

Model: PAC N77 ECO

1. Product Overview

The De'Longhi Pinguino PAC N77 ECO is a portable air conditioner designed to provide optimal comfort by cooling and dehumidifying indoor spaces. This unit combines advanced technology with energy efficiency, making it suitable for rooms up to 70 m³.

Key features include a powerful cooling capacity of 8,200 BTU/h (2.1 kW), an energy efficiency class A rating, and a dehumidification function capable of removing up to 30 liters of moisture per 24 hours. Its soft-touch interface and included remote control ensure convenient operation, while integrated handles and wheels allow for effortless movement between rooms.





Figure 1: Front view of the De'Longhi Pinguino PAC N77 ECO unit.

2. Safety Information

Please read all safety warnings and instructions carefully before using this appliance to prevent injury or damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the unit's requirements (240 Volts). Do not use extension cords or adapters. Always unplug the unit before cleaning or maintenance.
- **Refrigerant (R290):** This appliance contains R290 refrigerant, a non-toxic propane gas. R290 is flammable. Do not interfere with the refrigerant circuit. Any work on the refrigerant circuit should only be performed by qualified

personnel.

- **Ventilation:** Ensure adequate ventilation when operating the unit. The exhaust hose must be properly installed to expel hot air outside.
- **Placement:** Place the unit on a flat, stable surface. Do not block air inlets or outlets. Maintain a minimum distance from walls and furniture as specified in the setup section.
- **Children and Pets:** Keep children and pets away from the appliance during operation.

3. Package Contents

Verify that all components are present in the packaging:

- 1 x De'Longhi Pinguino PAC N77 ECO Portable Air Conditioner Unit
- 1 x Remote Control
- 1 x Air Exhaust Hose
- 1 x Window Outlet Adapter
- 1 x Window Kit (for sliding windows or French windows)
- User Manual and Documentation

4. Product Features

- **Cooling Capacity:** 8,200 BTU/h (2.1 kW) for effective cooling.
- **Energy Efficiency:** Class A rated for optimized energy consumption.
- **Dehumidification Function:** Removes up to 30 liters of moisture per 24 hours, improving air quality.
- **Portability:** Equipped with integrated handles and durable wheels for easy movement.
- **Control Panel:** Intuitive soft-touch interface for direct control.
- **Remote Control:** Full-function remote control for convenient operation from a distance.
- **Fan Speeds:** Three adjustable fan speeds for customized airflow.
- **Timer:** 12-hour electronic timer for programmed operation.
- **Refrigerant:** Uses eco-friendly R290 refrigerant.
- **Room Thermometer:** Integrated ambient thermometer to ensure desired temperature.

5. Setup

Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the unit and all accessories from the packaging.
2. **Placement:** Position the air conditioner on a flat, stable surface near a window or opening where the exhaust hose can be vented. Ensure there is at least 30 cm (12 inches) of clear space around the unit for proper airflow.



Figure 2: Proper placement of the unit in a room.

3. **Attach Exhaust Hose:** Connect one end of the air exhaust hose to the outlet on the back of the unit. Extend the hose and attach the window outlet adapter to the other end.
4. **Window Installation:** Open a window or door and place the window outlet adapter through the opening. Use the provided window kit to seal the opening around the hose as much as possible to prevent hot air from re-entering the room.



Figure 3: Unit with exhaust hose connected to a window.

5. **Power Connection:** Plug the power cord into a grounded electrical outlet.

6. Operating Instructions

The PAC N77 ECO can be operated using the soft-touch control panel on the unit or the remote control.

6.1 Control Panel



Figure 4: Soft-touch control panel.

- **Power Button (U):** Press to turn the unit ON or OFF.
- **Mode Button (MODE):** Press to cycle through operating modes: Cooling, Dehumidification, Fan.
- **Temperature Adjustment (+/-):** Use these buttons to increase or decrease the desired temperature in Cooling mode.
- **Fan Speed Button (f):** Adjusts the fan speed (Low, Medium, High).
- **Timer Button (L):** Activates and sets the 12-hour timer for automatic shut-off or turn-on.
- **Temperature Unit Button (°C/°F):** Toggles between Celsius and Fahrenheit temperature display.

6.2 Remote Control





Figure 5: Remote control for the unit.

The remote control duplicates all functions available on the control panel, allowing for convenient adjustments from a distance. Ensure the remote control has working batteries (not included) and is pointed towards the unit's receiver.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner.

- **Air Filter Cleaning:** The air filter should be cleaned regularly (e.g., every two weeks, depending on usage) to prevent dust buildup, which can reduce efficiency. Turn off and unplug the unit. Remove the filter (refer to the diagram in the full manual for location), clean it with a vacuum cleaner or wash it with lukewarm water. Allow it to dry completely before reinserting.
- **Water Drainage:** In dehumidification mode, water collects in an internal tank. When the tank is full, the unit will stop operating and an indicator light will illuminate. Drain the water by connecting a hose to the drainage outlet (usually at the back or bottom of the unit) and directing it to a suitable container or drain.
- **Unit Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents.

- **Storage:** If storing the unit for an extended period, drain all water, clean the filters, and cover the unit to protect it from dust. Store in a dry, cool place.

8. Troubleshooting

If you encounter issues with your De'Longhi Pinguino PAC N77 ECO, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not plugged in; Full water tank (dehumidification mode)	Check power connection; Ensure outlet is working; Drain water tank.
Insufficient cooling	Air filter clogged; Exhaust hose not properly installed/sealed; Room too large; Doors/windows open; Air inlet/outlet blocked	Clean air filter; Ensure exhaust hose is sealed; Close doors/windows; Clear obstructions.
Unit is noisy	Normal operation sound; Unit not on a flat surface; Obstruction in fan	Ensure unit is on a flat surface; Check for and remove any obstructions.
Water leakage	Drain plug not properly sealed; Unit tilted	Check drain plug; Ensure unit is level.

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

9. Specifications

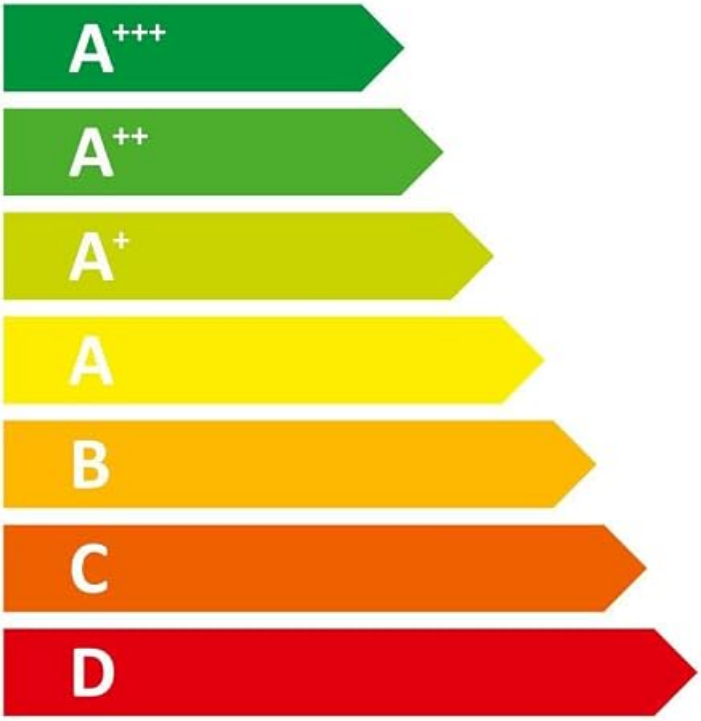
Specification	Value
Brand	De'Longhi
Model Number	PAC N77 ECO
Dimensions (L x W x H)	44.9 x 39.5 x 75 cm
Weight	30 Kilograms
Power	2100 Watts
Voltage	240 Volts
Noise Level	62 dB
Cooling Capacity	8200 BTU (British Thermal Unit)
Energy Efficiency Class	A
Refrigerant Type	R290
Room Volume (Max)	70 m^3



енергия · ενεργεια IE IA

De'Longhi PAC N77ECO

EER



2,1 kW	**2,6** EER
62 dB	**0,8** kWh/60min*

ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

* Минута · perc · Λεπτά



Figure 6: EU Energy Label for the PAC N77 ECO, showing Class A efficiency and 62 dB noise level.

For detailed product information and energy efficiency data, please refer to the EPREL database: https://eprel.ec.europa.eu/qr/4010

10. Warranty and Support

For warranty information, please refer to the documentation included with your product or visit the official De'Longhi website for your region. De'Longhi products typically come with a manufacturer's warranty covering defects in materials and workmanship.
For technical support, spare parts, or service inquiries, you may contact De'Longhi customer service:

- **Email:** eprel.team@delonghigroup.com
- **Phone:** +039 0422 4131
- **Address:** L.SEITZ 47, 31100 TREVISO, Italy

Please have your model number (PAC N77 ECO) and purchase date available when contacting support.

© 2024 De'Longhi. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question