De'Longhi PACN285GN

De'Longhi PACN285GN Portable Air Conditioner User Manual

Model: PACN285GN | Brand: De'Longhi

Product Overview

The De'Longhi PACN285GN Pinguino Portable Air Conditioner is a versatile 3-in-1 unit designed for cooling, dehumidifying, and fan operation. It is suitable for rooms up to 600 square feet (ASHRAE) or 550 square feet (DOE). This unit features electronic controls with a lighted display, an adjustable thermostat, three fan speeds, a mode selection, and a 12-hour on/off timer. Its no-drip technology automatically recycles condensation within the unit, minimizing the need for manual draining, though draining may be required in highly humid climates. The unit is equipped with built-in caster wheels and integrated handles for easy portability.





Figure 1: De'Longhi PACN285GN Portable Air Conditioner, Dark Gray.

Key Features:

- **Multi-Function:** Offers cooling, dehumidifying, and fan modes for comprehensive climate control.
- **Portable Design:** Features built-in caster wheels and integrated handles for easy movement between rooms.
- **Energy Efficiency:** Designed to cool specific areas, allowing for potential energy savings by adjusting central thermostat settings.
- **No-Drip Technology:** Automatically recycles condensation, reducing the need for frequent draining (draining may be necessary in very humid conditions).
- **Full Function Remote:** Includes an LCD display remote for convenient control of settings, fan speeds, and timer.

Setup and Installation

Proper setup ensures optimal performance and efficiency of your portable air conditioner. Follow these steps for installation:

1. **Choose Location:** Select a location near a window and a suitable electrical outlet. Ensure the unit is placed on a flat, stable surface.



Figure 2: Portable air conditioner positioned near a window with the exhaust hose connected.

2. **Install Window Kit:**
    - Assemble the window bracket by sliding the adjustable panels to fit your window opening.

- Secure the bracket in the window frame, ensuring a tight seal to prevent air leakage.



Figure 3: Detail of the exhaust hose connection to the window kit for proper ventilation.

3. **Assemble and Attach Exhaust Hose:**
    - Connect the hose adapter to one end of the exhaust hose.
    - Attach the other end of the hose to the designated exhaust port on the rear of the air conditioner unit.
    - Extend the hose and connect the hose adapter to the opening in the window kit. Ensure all connections are secure to prevent hot air from re-entering the room.
4. **Power Connection:** Plug the power cord into a grounded electrical outlet.

Your browser does not support the video tag.

Video 1: This video demonstrates the setup process for the De'Longhi portable air conditioner, including window kit installation and hose attachment. It illustrates how the unit draws in hot air, cools it, and exhausts excess heat outside, as well as its dehumidifying and fan functions.

Operating Instructions

Your De'Longhi portable air conditioner offers multiple operating modes for customized comfort.

Control Panel and Remote Control:

The unit features an electronic control panel with a lighted display on top. A full-function remote control with an LCD display is also included for convenient operation from a distance.



Figure 4: The electronic control panel with various mode and fan speed options.

Operating Modes:

- **Cooling Mode:** Select this mode for air conditioning. The unit will draw in hot air, cool it, and release the cooled air into the room while exhausting hot air outside through the hose.
- **Dehumidifying Mode:** In this mode, the appliance draws moisture from the air to reduce humidity levels, releasing dry air back into the room.
- **Fan Mode:** This mode circulates air without cooling or dehumidifying, providing air freshening and cooling on hot days.

Setting Temperature and Timer:

- Use the adjustable thermostat to set your desired room temperature.
- Utilize the 12-hour on/off timer to program the unit's operation according to your schedule.

Cooling Capacity Guidelines:

Refer to the table below to determine the appropriate cooling capacity (BTU) needed for your room size. Adjustments may be necessary based on specific environmental factors.

Find the correct cooling capacity for your room

Find the corresponding cooling capacity that matches your desired area (square footage). Cooling capacity shown in British thermal units (BTU) per hour.

Area to be cooled (SQ. FT.)	Capacity Needed (BTU)
150 SQ. FT.	5,000
UP TO 250 SQ. FT.	6,000
UP TO 300 SQ. FT.	7,000
UP TO 350 SQ. FT.	8,000
UP TO 400 SQ. FT.	9,000
UP TO 450 SQ. FT.	10,000
UP TO 550 SQ. FT.	12,000
UP TO 700 SQ. FT.	14,000
UP TO 1000 SQ. FT.	18,000
UP TO 1200 SQ. FT.	21,000
UP TO 1400 SQ. FT.	23,000
UP TO 1500 SQ. FT.	24,000

Adjustment as necessary

Make any adjustments for the following circumstance:

i. If the room is heavily shaded, reduce capacity by 10 percent.
ii. If the room is very sunny, increase capacity by 10 percent.
iii. If more than two people regularly occupy the room, add 600 BTUs for each additional person.
iv. If the unit is used in a kitchen, increase capacity by 4,000 BTUs.

Figure 5: Cooling capacity chart based on square footage and environmental factors.

Cooling Capacity Needed (BTU)

Area to be Cooled (SQ. FT.)	Capacity Needed (BTU)

Area to be Cooled (SQ. FT.)	Capacity Needed (BTU)
150 SQ. FT.	5,000
UP TO 250 SQ. FT.	6,000
UP TO 300 SQ. FT.	7,000
UP TO 350 SQ. FT.	8,000
UP TO 400 SQ. FT.	9,000
UP TO 450 SQ. FT.	10,000
UP TO 550 SQ. FT.	12,000
UP TO 700 SQ. FT.	14,000
UP TO 1000 SQ. FT.	18,000
UP TO 1400 SQ. FT.	23,000
UP TO 1500 SQ. FT.	24,000

Adjustment Considerations:

- If the room is heavily shaded, reduce capacity by 10 percent.
- If the room is very sunny, increase capacity by 10 percent.
- If more than two people regularly occupy the room, add 600 BTUs for each additional person.
- If the unit is used in a kitchen, increase capacity by 4,000 BTUs.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your De'Longhi portable air conditioner.

- **Filter Cleaning:** Periodically clean the air filters to maintain optimal airflow and cooling performance. Refer to the full user manual for specific instructions on filter removal and cleaning frequency.
- **Condensation Management:** The unit features no-drip technology that recycles condensation. However, in highly humid environments, manual draining of accumulated water may be necessary. Consult the full user manual for instructions on how to drain the unit if required.
- **Exterior Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When storing the unit for an extended period, ensure it is clean and dry. Disconnect the power cord and store the unit in a cool, dry place.

Troubleshooting

If you encounter issues with your De'Longhi portable air conditioner, refer to the following common troubleshooting tips. For more detailed solutions, please consult the comprehensive user manual (PDF) linked in the Support section.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, tripped circuit breaker, power cord issue.	Check power connection, reset circuit breaker, inspect power cord for damage.
Unit is running but not cooling.	Dirty air filter, exhaust hose not properly installed, room too large, windows/doors open.	Clean air filter, ensure exhaust hose is securely connected to window kit, close all windows and doors, verify room size is within unit's capacity.
Unit is noisy.	Unit not on a level surface, internal component vibration, damaged casing.	Ensure unit is on a flat, stable surface. If noise persists or is unusual, contact customer support.
Water leakage.	High humidity causing excess condensation, drainage plug not secure.	Drain the unit as per manual instructions. Ensure drainage plug is tightly sealed.

Specifications

Specification	Value
Product Dimensions	15.6 x 17.7 x 29.5 inches
Item Weight	66 pounds
Manufacturer	De'Longhi
ASIN	B07B6CPQZK
Item Model Number	PACN285GN
Form Factor	Portable
Capacity	1.1 Tons
Floor Area	550 Square Feet
Voltage	115 Volts
Noise Level	53 dB
Cooling Power	8500 (DOE) / 14000 BTU (ASHRAE)
Seasonal Energy Efficiency Ratio (SEER)	2.6
Color	Gray
Refrigerant	R 410A

Specification	Value
Power Source	Corded Electric

Warranty and Support

For comprehensive product information, warranty details, and customer support, please refer to the official resources below:

- **User Manual (PDF):** For detailed instructions, safety information, and advanced troubleshooting, download the official user manual: Download User Manual
- **De'Longhi Store:** Visit the official De'Longhi store for product information and accessories:Visit De'Longhi Store
- **Customer Support:** For direct assistance, please contact De'Longhi customer support.

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Question

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

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

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