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De'Longhi PACAN280G1W

De'Longhi PACAN280G1W Portable Air Conditioner User Manual

Model: PACAN280G1W

Your guide to optimal comfort and performance.

1. Introduction

The De'Longhi PACAN280G1W 3-in-1 Portable Air Conditioner offers comprehensive climate control with cooling, dehumidifying, and fan modes. Designed for rooms up to 700 square feet, this unit provides powerful yet quiet operation. Its no-drip technology automatically recycles condensation, preventing leaks, and the unit is designed for easy setup and portability with caster wheels and handles.



Figure 1.1: Front view of the De'Longhi PACAN280G1W Portable Air Conditioner.

2. Important Safety Information

Before using the appliance, read all instructions carefully. Keep this manual for future reference. Always ensure the unit is placed on a stable, level surface. Do not block air inlets or outlets. Use only with a properly grounded electrical outlet. Do not operate the unit with a damaged cord or plug. For indoor use only. Do not use near water or in excessively humid environments where water could splash onto the unit. Unplug the unit before cleaning or performing any maintenance.

3. Setup and Installation

The De'Longhi PACAN280G1W is designed for quick and easy setup, requiring no special tools. Follow these steps for initial installation:

1. **Unpacking:** Carefully remove the unit from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Position the air conditioner on a flat, stable surface, ensuring there is at least 12 inches (30 cm) of

clear space around the unit for proper airflow.

3. **Window Kit Installation:** The unit comes with a window kit for exhausting hot air. Assemble the window bracket and secure it in a compatible window (sliding or casement). Connect the exhaust hose to the unit and then to the window bracket, ensuring a tight seal to prevent hot air re-entry.
4. **Power Connection:** Plug the power cord into a dedicated, grounded 115V electrical outlet. Avoid using extension cords if possible; if necessary, use a heavy-duty appliance extension cord rated for the unit's power requirements.



Figure 3.1: Portable AC unit with exhaust hose installed in a window.

4. Operating the Unit

The De'Longhi PACAN280G1W can be operated using the control panel on top of the unit or the included remote control. Familiarize yourself with the various modes and settings for optimal comfort.

4.1 Control Panel



Figure 4.1: User interacting with the top control panel of the unit.

The touch-sensitive control panel allows you to select operating modes, adjust temperature, set fan speed, and activate special features. The digital display shows the current temperature and selected settings.

4.2 Remote Control



Figure 4.2: Remote control in use.

The remote control provides convenient access to all functions from a distance. Ensure the remote control has working batteries (requires 2 x AAA batteries, not included) and is pointed towards the unit's receiver.



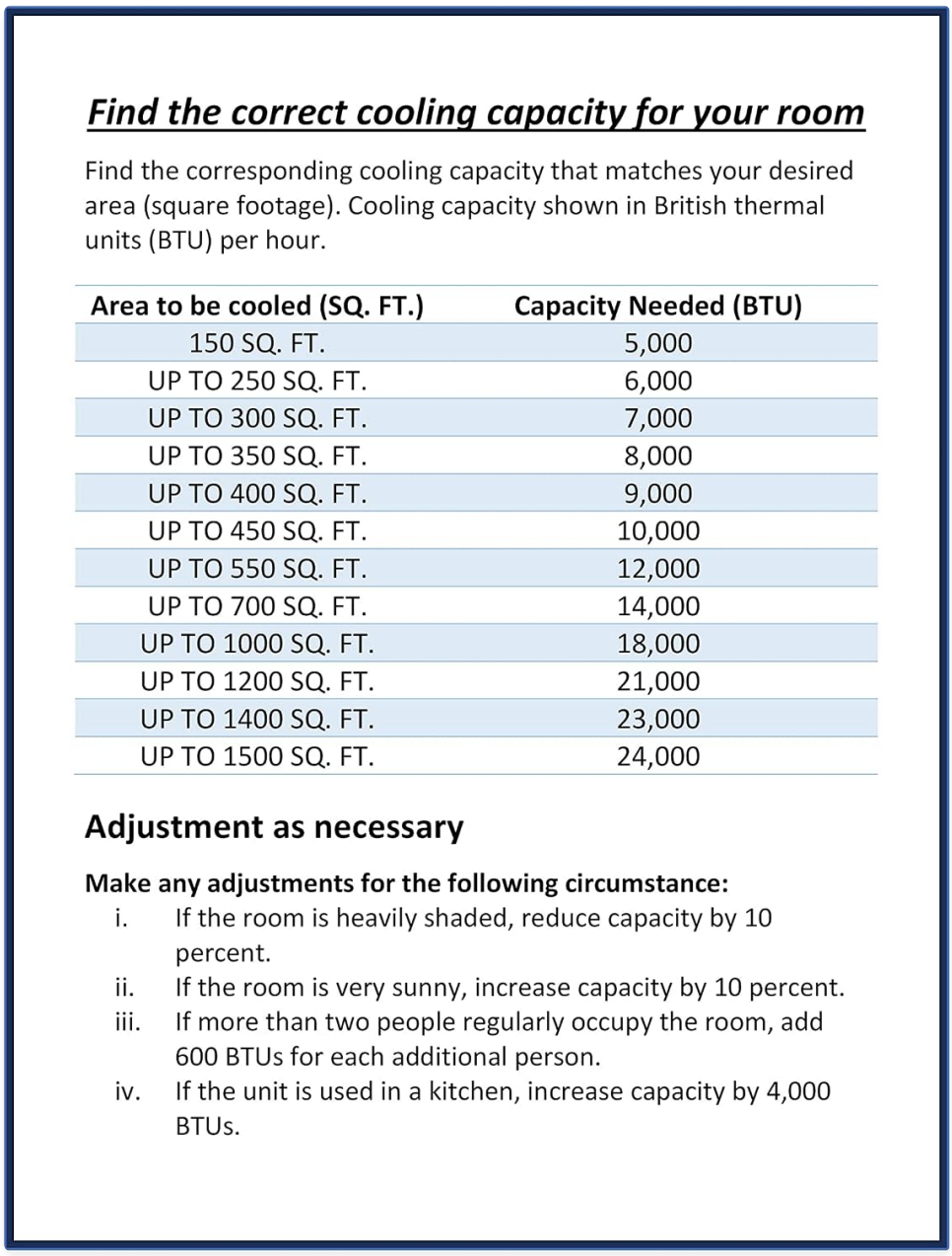
Figure 4.3: Detailed view of the remote control.

4.3 Operating Modes

- **Cool Mode (❄):** Provides powerful cooling. Set your desired temperature using the +/- buttons.
- **Dehumidify Mode ( ):** Removes excess moisture from the air without significant cooling. Ideal for damp environments.
- **Fan Mode ( ):** Circulates air without cooling or dehumidifying. Choose from multiple fan speeds.
- **Arctic Whisper Quiet Mode:** Reduces fan speed and compressor noise for quieter operation, ideal for nighttime use.

4.4 Cooling Capacity Guide

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



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 4.4: Cooling Capacity Guide.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your portable air conditioner.

5.1 Air Filter Cleaning

The air filter should be cleaned regularly (every two weeks or more often depending on usage) to maintain optimal performance. A dirty filter can reduce airflow and cooling efficiency.

1. Unplug the unit from the power outlet.
2. Locate and remove the air filter (typically on the back or side of the unit).
3. Clean the filter using a vacuum cleaner to remove dust, or wash it gently with lukewarm water and a mild detergent.
4. Allow the filter to air dry completely before reinserting it into the unit.

5.2 No-Drip Technology

This unit features an innovative no-drip technology that automatically recycles condensation, eliminating the need for manual draining in most conditions. If the unit indicates a full water tank (e.g., via an indicator light), it may require manual draining. Refer to the full manual for specific draining instructions if this occurs.

5.3 Seasonal Storage

When storing the unit for an extended period, ensure it is completely dry. Clean the filters, and if applicable, drain any remaining water. Store the unit upright in a cool, dry place, preferably in its original packaging.

6. Troubleshooting

If you encounter issues with your De'Longhi PACAN280G1W, consult the following common troubleshooting tips before contacting customer support.

- **Unit does not turn on:** Check if the power cord is securely plugged into a working outlet. Ensure the unit is not in standby mode.
- **Unit is not cooling effectively:** Verify that the exhaust hose is properly installed and sealed. Check if the air filter is clean. Ensure windows and doors are closed in the room being cooled. The room size might exceed the unit's capacity.
- **Noisy operation:** Ensure the unit is on a flat, stable surface. Check for any obstructions in the air inlets or outlets.
- **Water leakage:** While the unit has no-drip technology, excessive humidity can sometimes lead to water accumulation. Check the drain plug and ensure it is securely closed. If an indicator light is on, the internal tank may need to be drained manually.

For more detailed troubleshooting, please refer to the comprehensive troubleshooting section in the complete product manual or visit the De'Longhi support website.

7. Specifications

Below are the technical specifications for the De'Longhi PACAN280G1W Portable Air Conditioner:

Feature	Specification
Model Number	PACAN280G1W
Cooling Power (ASHRAE)	13500 BTU
Cooling Power (DOE)	8000 BTU
Recommended Room Size	Up to 700 sq. ft.
Functions	Air Conditioner, Dehumidifier, Fan
Voltage	115 Volts

Feature	Specification
Item Weight	81.8 pounds
Package Dimensions	34 x 18 x 17 inches
Refrigerant	R 410A
Special Features	Portable, Remote Controlled, Arctic Whisper Quiet Mode, No-Drip Technology

8. Warranty and Support

De'Longhi products are manufactured to the highest quality standards. For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official De'Longhi website. For technical support, replacement parts, or service inquiries, please contact De'Longhi customer service through their official channels.

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