De'Longhi PACEL376HGRFK-6AL BK

De'Longhi PAC EL376HGRFK-6AL BK Portable Air Conditioner User Manual

Model: PACEL376HGRFK-6AL BK | Brand: De'Longhi

1. Introduction and Overview

The PAC EL376HGRFK De'Longhi Pinguino Plus 7200 BTU Portable Air Conditioner offers a 4-in-1 solution for year-round comfort, providing cooling, heating, dehumidifying, and air circulation. Equipped with Eco Real Feel technology, it combines temperature reduction and humidity control for optimal comfort. This unit is efficient in rooms up to 550 square feet and features an auto evaporating system, washable filter, electronic controls with lighted display, adjustable thermostat, 3 fan speeds, and a 24-hour on/off timer.

Key Features:

- Year-round Comfort: Portable Cooling plus Heating.
- Cools Extra Large Rooms: Supplies 12500 (ASHRAE)/7200 (SACC) BTU cooling power for areas up to 550 square feet.
- 24-Hour Programmable Timer: Set the timer to turn on or off to meet your desired schedule and save energy.
- Multifunction for Maximum Comfort: 4-in-1 unit features cooling, dehumidifying, and a fan.
- Energy Saving: Cool only the room you're in to raise your household thermostat and lower energy bills.
- Breath Easier: Washable Filter screens impurities like dust and hair.
- Eco Real Feel Technology: Secures the best comfort level through combined temperature reduction and humidity control.
- Front-Facing Display With Sensor Touch Panel: Easily change and read settings from across the room.
- Portable Comfort: Sets up in minutes with castor wheels and integrated handles for easy movement.

2. Setup and Installation

Before initial use, allow the unit to stand upright for at least 12-24 hours to ensure the refrigerant settles properly. This prevents potential damage or failure.

Unboxing and Components:

Carefully remove the unit from its packaging. The box is designed to lift off the unit for easier removal. Inside, you will find the portable air conditioner, window kit components, exhaust hose, remote control, and user manuals.

Window Kit Installation:

Assemble the window exhaust kit using the provided plates. These plates are extendable to fit various window sizes. Secure the exhaust hose to the unit and the window kit. Ensure a tight seal around the window opening to maximize efficiency. Foam padding is

included to help seal any gaps.



Figure 2.1: The portable air conditioner can be controlled via a smartphone app, allowing remote temperature adjustments and mode selection.

Drain Line Setup (for Dehumidifying/Heating Modes):

The unit features an auto-evaporating system, reducing the need for frequent manual draining. However, in high humidity conditions or when using the heating/dehumidifying modes, you may need to drain excess moisture. Connect the provided drain line to the lower drain port. Ensure the line is positioned to drain into a suitable container or floor drain. Regular draining (e.g., weekly in high humidity) is recommended to prevent the 'HL' error code, which indicates a full water tray.

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 2.2: Use this table to determine the appropriate BTU capacity needed for your room size. Adjustments may be necessary based on room shading, sun exposure, occupancy, and location (e.g., kitchen).

3. Operating Instructions

The PAC EL376HGRFK-6AL BK unit can be operated using the integrated sensor touch panel on the unit or the included remote control. It also supports Wi-Fi connectivity for control via a smartphone app.

Control Panel:

The front-facing display dims automatically within seconds. Use the touch buttons to power on/off, select modes (cooling, heating, dehumidifying, fan), adjust temperature, and set fan speed.



Figure 3.1: The intuitive touch control panel allows for easy selection of operating modes, temperature adjustments, and fan speeds.

Operating Modes:

- **Cooling Mode:** Provides powerful cooling for rooms up to 550 sq ft. Adjust the desired temperature using the up/down arrows.
- **Heating Mode:** Ideal for cool nights and mornings, providing supplemental heat.
- **Dehumidifying Mode:** Removes excess moisture from the air, improving comfort and preventing mold growth.
- **Fan Mode:** Circulates air without cooling or heating, useful for general air movement and energy saving.

Remote Control:

The included remote control allows you to operate all functions of the unit from a distance, including power, mode selection, temperature adjustment, and timer settings. Ensure batteries are installed correctly.



Figure 3.2: The compact remote control provides full functionality for convenient operation of the air conditioner from anywhere in the room.

4. Maintenance

Regular maintenance ensures optimal performance and longevity of your portable air conditioner.

Filter Cleaning:

The washable filter screens impurities like dust and hair. It is recommended to clean the filter weekly, especially if you have pets, as dust accumulation can increase noise and reduce efficiency. Simply remove the filter and rinse it under running water. Allow it to dry completely before reinserting.

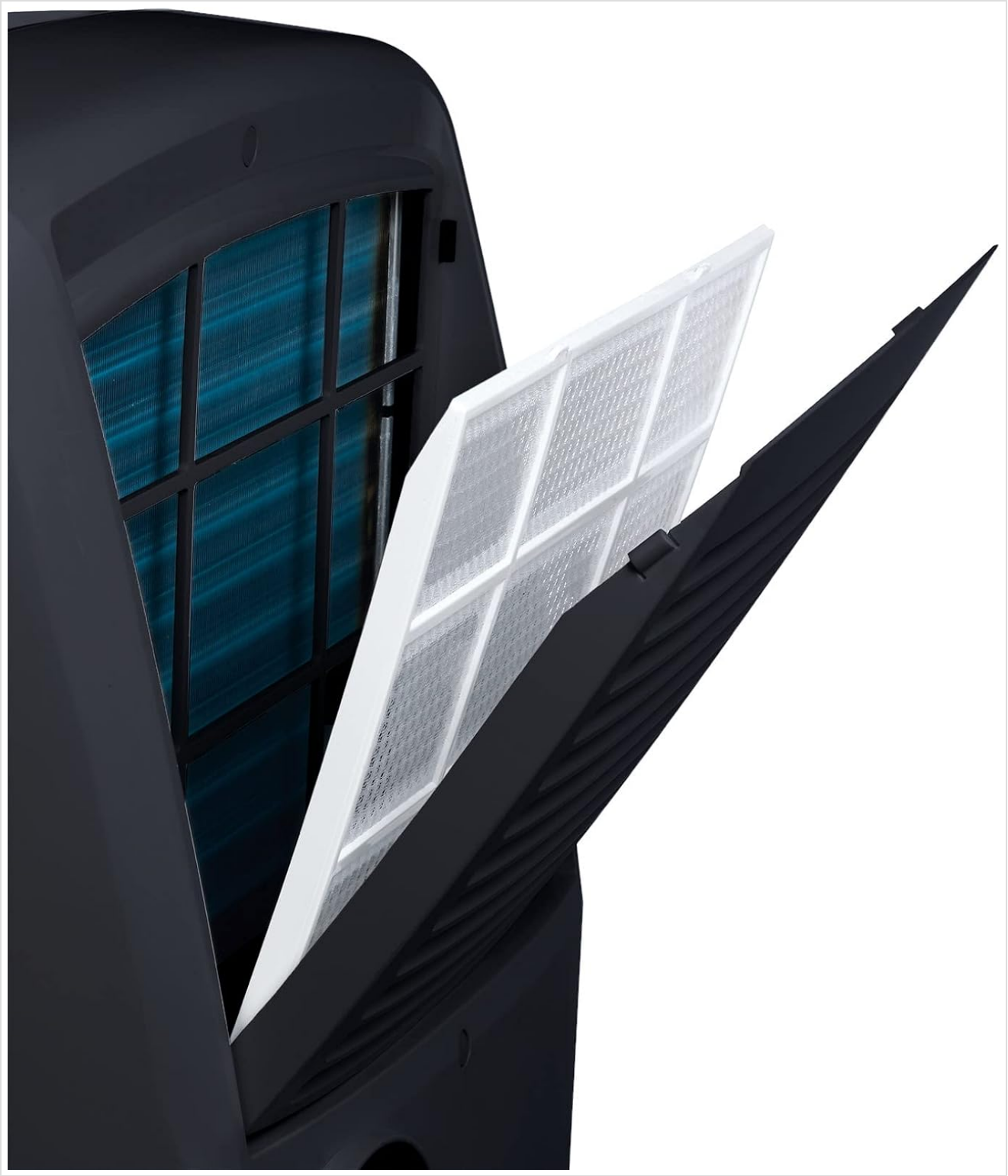


Figure 4.1: The easily accessible and washable filter helps maintain air quality and unit efficiency. Regular cleaning is essential.

Draining Excess Moisture:

While the unit has an auto-evaporating system, manual draining may be necessary under high humidity conditions or when using heating/dehumidifying modes. If the 'HL' error appears, the water tray is full and needs to be emptied. The drain plug is located at the very bottom of the unit. It is advisable to elevate the unit or use a large, shallow container for draining to avoid spills.

5. Troubleshooting

This section provides solutions to common issues you might encounter with your unit.

- **Unit not cooling/heating effectively:** Check if the filter is clean, ensure the exhaust hose is properly installed and sealed, verify the room size is within the unit's capacity, and check for open windows or doors.

- **'HL' error code:** This indicates the internal water tray is full. Drain the unit as described in the Maintenance section.
- **Unit is noisy:** A dirty filter can cause increased noise. Clean the filter. Ensure the unit is on a flat, stable surface.
- **Compressor turns off frequently:** This can happen on very hot days or if the thermostat setting is too close to the ambient temperature. Adjust the temperature setting. Ensure proper ventilation.
- **Remote control not working:** Check and replace batteries if necessary. Ensure there are no obstructions between the remote and the unit's sensor.

6. Specifications

Attribute	Value
Model Number	PACEL376HGRFK-6AL BK
Cooling Power (ASHRAE)	12,500 BTU
Cooling Power (SACC)	7,200 BTU
Recommended Room Size	Up to 550 sq ft
Functions	Cooling, Heating, Dehumidifying, Fan
Noise Level	54 dB
Voltage	115 Volts
Item Weight	70.8 pounds
Product Dimensions	15.1 x 17.6 x 29.2 inches
Special Features	Remote Controlled, Portable, WiFi Enabled, Dehumidifier

7. Warranty and Support

Warranty Information:

The De'Longhi PAC EL376HGRFK-6AL BK Portable Air Conditioner comes with a 2-year manufacturer's warranty. Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, troubleshooting assistance, or warranty service, please contact De'Longhi customer support. Refer to the contact information provided in the separate warranty document or visit the official De'Longhi website.