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De'Longhi PACAN135EWS

De'Longhi PACAN135EWS Portable Air Conditioner User Manual

Model: PACAN135EWS | Brand: De'Longhi

1. Introduction

The De'Longhi PACAN135EWS Arctic Cool Portable Air Conditioner is a versatile 3-in-1 unit designed to provide cooling, dehumidifying, and fan circulation for rooms up to 550 square feet. This unit incorporates Real Feel technology for optimal comfort by combining temperature reduction with humidity control. Its Arctic Whisper technology ensures quiet operation, emitting 50% less noise than previous models. The PACAN135EWS also features no-drip technology, which recycles condensation internally, preventing leaks. With its user-friendly Sensor Touch panel and full-featured remote control, this portable air conditioner offers convenient and efficient climate control, allowing you to cool specific rooms and potentially reduce utility bills.





Figure 1.1: Front view of the De'Longhi PACAN135EWS Portable Air Conditioner.

2. Key Features

- **3-in-1 Comfort:** Offers cooling, dehumidifying, and fan-only modes for versatile climate control.
- **Powerful & Quiet:** Cools rooms up to 550 sq. ft. with 50% less noise thanks to Arctic Whisper technology.
- **No-Drip Technology:** Automatically recycles condensation within the unit, eliminating the need for manual draining in most conditions.
- **Real Feel Technology:** Achieves optimal comfort by intelligently combining temperature and humidity control.
- **User-Friendly Controls:** Features an electronic control panel with a lighted display, adjustable thermostat, 3 fan speeds, mode selection, and a 12-hour on/off timer.

- **Remote Control:** Includes a full-featured remote control for convenient operation from a distance.
- **Portability:** Equipped with caster wheels and handles for easy movement between rooms, allowing for spot cooling.
- **Energy Efficiency:** By cooling only the room you are in, you can raise your household thermostat and potentially reduce energy bills.
- **BioSilver Air Filter:** Traps dust and particles, and prevents the growth of mold, mildew, and bacteria on the filter, helping to maintain air quality.

3. Setup and Installation

The PACAN135EWS is designed for quick and easy setup, requiring no special tools. All necessary attachments are included in the box.

3.1 Unboxing

Carefully remove the unit from its packaging. The packaging is designed to facilitate easy unboxing.

3.2 Placement

Place the air conditioner near a window to allow for proper venting of hot and humid air to the outside. Ensure there is sufficient space around the unit for air circulation.



Figure 3.1: Proper placement of the unit near a window for exhaust.

3.3 Exhaust Hose Connection

Connect the exhaust hose to the unit and the window kit. The hose is designed to securely fit into the designated ports without the need for tools.



Figure 3.2: The unit's portability allows for easy movement between rooms.

3.4 Cooling Capacity Guide

Refer to the table below to determine the correct cooling capacity for your room based on its square footage. Adjustments may be necessary for specific environmental factors.

Table 3.1: Recommended Cooling Capacity

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:

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.

4. Operating Instructions

The PACAN135EWS can be operated using the soft-touch control panel on the unit or the included full-function remote control.



Figure 4.1: Soft-touch control panel on the unit.



Figure 4.2: Full-function remote control.

4.1 Power On/Off

Press the **Power** button (*symbol: circle with vertical line*) to turn the unit on or off.

4.2 Temperature Control

Use the **Increase (+)** and **Decrease (-)** buttons to adjust the desired temperature setting.

4.3 Mode Selection

Press the **Mode** button to cycle through the available comfort options:

- **Cooling Mode:** For cooling the room.
- **Dehumidifying Mode:** To remove excess moisture from the air.
- **Fan Mode:** To circulate air without cooling or dehumidifying.
- **Heating Mode:** (On select models only) For warming the room during cooler periods.

4.4 Fan Speed

Press the **Fan Speed** button to select from Low, Medium, or High fan speeds. Low speed is ideal for quiet operation during sleep or TV viewing, while High speed provides quick cool-down.

4.5 Timer Function

The 12-hour timer can be set for automatic start-up or shut-down of the unit.

- **To set Auto Start:** With the unit off, press the **Timer** button. Use the **Increase (+)** or **Decrease (-)** buttons to select the desired number of hours before the unit turns on. Press the **Timer** button again to confirm.
- **To set Auto Shut-down:** With the unit running, press the **Timer** button. Use the **Increase (+)** or **Decrease (-)** buttons to select the desired number of hours before the unit turns off. Press the **Timer** button again to confirm.

4.6 Whisper Cool™ Function

Activate the **Whisper Cool™** mode for significantly reduced noise levels (up to 50% less noise compared to standard operation), ideal for quiet environments like bedrooms or living rooms during relaxation.

4.7 Real Feel™ Technology

The **Real Feel™** mode intelligently monitors both temperature and relative humidity in the room. It automatically adjusts the compressor and fan speed to maintain an optimal level of comfort, ensuring a perfect balance of cooling and dehumidifying.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your De'Longhi Portable Air Conditioner.

5.1 BioSilver Air Filter Cleaning

The BioSilver air filter traps dust and particles and helps prevent the growth of mold, mildew, and bacteria. It is recommended to clean the filter regularly to maintain air quality and unit efficiency.

1. Turn off and unplug the unit before cleaning.
2. Locate the air filter access panel, typically on the rear or side of the unit.
3. Remove the filter.
4. Clean the filter using a vacuum cleaner to remove dust. For a more thorough cleaning, wash the filter with lukewarm water and a mild detergent.
5. Rinse the filter thoroughly and allow it to air dry completely before reinserting it into the unit.

5.2 External Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6. Troubleshooting

If you experience issues with your PACAN135EWS, consult the following common troubleshooting tips:

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord unplugged, circuit breaker tripped.	Ensure unit is plugged into a working outlet. Check circuit breaker.
Unit is running but not cooling.	Air filter is dirty, exhaust hose is blocked or disconnected, room size too large, windows/doors open.	Clean air filter. Check exhaust hose for proper connection and obstructions. Ensure room is sealed. Verify room size is within unit's capacity.
Unit is noisy.	Unit not on a level surface, fan speed too high.	Place unit on a flat, stable surface. Select a lower fan speed or activate Whisper Cool™ mode.
Remote control not working.	Batteries are dead or incorrectly inserted, remote not pointed at unit.	Replace batteries. Ensure correct polarity. Point remote directly at the unit's sensor.

For more detailed troubleshooting or persistent issues, please refer to the full user manual PDF or contact customer support.

7. Specifications

Attribute	Value
Model Number	PACAN135EWS
Product Dimensions	15.5 x 17.5 x 29.5 inches
Item Weight	72.1 pounds
Cooling Area Capacity	Up to 550 Square Feet
Cooling Power	6800 British Thermal Units (BTU)
Voltage	115 Volts
Noise Level	50 dB
Refrigerant	R 410A
Power Source	Corded Electric
Color	Light Gray

8. Warranty and Support

For detailed warranty information, please refer to the official user manual PDF. For customer support, inquiries, or service requests, please visit the De'Longhi website or contact their customer service line.

Official User Manual (PDF): Download PDF

Customer Support: Refer to the contact information provided in your product packaging or the official De'Longhi website.

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