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De'Longhi PACN90

De'Longhi Pinguino PACN90 Eco Portable Air Conditioner User Manual

Model: PACN90

Introduction

Thank you for choosing the De'Longhi Pinguino PACN90 Eco Portable Air Conditioner. This manual provides important information for the safe and efficient operation of your appliance. Please read it thoroughly before use and keep it for future reference.
The De'Longhi Pinguino PACN90 Eco is designed to provide effective cooling, dehumidification, and fan functions for rooms up to 85m³. It features quiet technology, an electronic timer, thermostat, and remote control for convenient operation.

Safety Information

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always ensure the appliance is connected to a properly grounded power outlet.
- Do not operate the appliance with a damaged cord or plug.
- Do not block air inlets or outlets.
- Keep the appliance away from heat sources and direct sunlight.
- Do not use the appliance in wet or damp environments.
- Unplug the appliance before cleaning or performing any maintenance.
- This appliance uses R290 propane gas as a refrigerant. R290 is a flammable gas. Handle with care.

Package Contents

Please check that all components are present:

- De'Longhi Pinguino PACN90 Portable Air Conditioner Unit
- Remote Control
- Window Kit (Hose and adapters)
- User Manual (This document)

Product Overview

Familiarize yourself with the main components of your PACN90 unit.



Figure 1: Front view of the De'Longhi Pinguino PACN90 Portable Air Conditioner, showing the control panel and air outlet grille.

Main Components:

1. Control Panel
2. Air Outlet Grille
3. Air Inlet Grille (Rear)

4. Exhaust Air Outlet (Rear)
5. Castor Wheels
6. Remote Control Receiver
7. Drainage Hose Connection (for dehumidification)

Setup

Follow these steps for initial setup of your portable air conditioner.

1. Positioning the Unit:

Place the air conditioner on a flat, stable surface. Ensure there is at least 30 cm (12 inches) of clear space around the unit for proper airflow.



Figure 2: The PACN90 unit placed in a room, demonstrating appropriate spacing from walls and furniture.

2. Installing the Exhaust Hose:

1. Screw the hose connector onto one end of the exhaust hose.
2. Insert the other end of the hose into the exhaust air outlet on the rear of the unit.
3. Attach the window adapter to the hose connector.
4. Open a window or sliding door and place the window adapter securely in the opening. Ensure the hot air is expelled outdoors.

3. Power Connection:

Plug the power cord into a suitable 230V AC grounded electrical outlet. Ensure the outlet is easily accessible.

Operating Instructions

The PACN90 can be operated using the control panel on the unit or the remote control.

Control Panel Functions:

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through Cooling, Dehumidifying, and Fan modes.
- **FAN SPEED Button:** Adjusts fan speed (Low, Medium, High).
- **TEMPERATURE +/- Buttons:** Sets the desired temperature in Cooling mode.
- **TIMER Button:** Sets the auto-on or auto-off timer.

Operating Modes:

Cooling Mode:

1. Press the MODE button until the cooling indicator light illuminates.
2. Use the TEMPERATURE +/- buttons to set your desired room temperature.
3. Adjust the FAN SPEED as needed.

Dehumidifying Mode:

1. Press the MODE button until the dehumidifying indicator light illuminates.
2. The unit will operate to remove moisture from the air. No temperature setting is required.
3. For continuous drainage, connect a hose to the drainage outlet.

Fan Mode:

1. Press the MODE button until the fan indicator light illuminates.
2. Adjust the FAN SPEED to circulate air without cooling or dehumidifying.

Using the Timer:

The timer function allows you to program the unit to turn on or off automatically.

- **Auto-Off:** With the unit running, press the TIMER button. Use +/- to set the desired delay (in hours) before the unit turns off.
- **Auto-On:** With the unit off, press the TIMER button. Use +/- to set the desired delay (in hours) before the unit turns

on.

Maintenance

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

Cleaning the Air Filter:

The air filter should be cleaned every two weeks, or more frequently if the unit is used in a dusty environment.

1. Unplug the appliance from the power outlet.
2. Remove the air filter from the rear of the unit.
3. Use a vacuum cleaner to remove dust from the filter. If heavily soiled, wash it under lukewarm running water.
4. Allow the filter to dry completely before reinserting it into the unit. Do not expose to direct sunlight.

Draining Condensate:

During dehumidification or in very humid conditions, the internal water tank may fill. The unit will stop operating and display an error code when full. Drain the water as follows:

1. Unplug the appliance.
2. Place a shallow pan or container under the drainage outlet at the bottom rear of the unit.
3. Remove the drainage cap and plug to allow water to flow out.
4. Once drained, replace the plug and cap securely.

Cleaning the Unit Casing:

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

Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Power cord not plugged in; Fuse blown/Circuit breaker tripped.	Check power outlet; Ensure power cord is securely plugged in; Reset circuit breaker or replace fuse.
Unit cools insufficiently.	Windows/doors open; Air filter dirty; Exhaust hose blocked or disconnected; Room size too large.	Close all windows and doors; Clean air filter; Check exhaust hose connection and ensure it's not kinked; Ensure unit is suitable for room size (up to 85m³).
Unit is noisy.	Unit not on a flat surface; Air filter dirty.	Place unit on a flat, stable surface; Clean air filter. (Note: Some operating noise is normal for portable AC units, max 52 dB).

Problem	Possible Cause	Solution
Water leakage.	Drainage plug not securely closed; Unit tilted.	Ensure drainage plug is tightly closed; Place unit on a level surface.

Specifications



Figure 3: Dimensions of the De'Longhi Pinguino PACN90 Portable Air Conditioner.

Model:	PACN90
Brand:	De'Longhi
Cooling Capacity:	9,800 BTU

Recommended Room Size:	Up to 85m³
Power Supply:	230V
Wattage:	2500 watts
Sound Level:	50-52 dB (max)
Refrigerant:	R290 (Propane)
Dimensions (W x D x H):	17.68 cm x 15.55 cm x 29.53 cm
Weight:	30 kg

Energy Efficiency Class: A

Included Components: PACN90 Air Conditioner, Remote Control, Window Kit

Warranty and Support

De'Longhi products are manufactured to the highest standards and are subject to rigorous quality control. This product is covered by a manufacturer's warranty, details of which can be found on the official De'Longhi website or by contacting customer support.
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact De'Longhi Customer Service:

- **Website:** Visit the official De'Longhi website for support resources and contact information.www.delonghi.com
- **Phone:** Refer to your product registration card or the De'Longhi website for local customer service numbers.

Please have your model number (PACN90) and purchase date available when contacting support.

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