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› COOLECH JDAC90R 42-Inch Windowless Portable Evaporative Air Cooler Instruction Manual

## COOLECH JDAC90R

# COOLECH JDAC90R 42-Inch Windowless Portable Evaporative Air Cooler Instruction Manual

Model: JDAC90R | Brand: COOLECH

## 1. IMPORTANT SAFETY INSTRUCTIONS

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Please read all instructions carefully before using this appliance and retain for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always unplug the unit from the power outlet before cleaning, servicing, or moving.
- Do not operate the unit with a damaged cord or plug.
- Do not insert fingers or foreign objects into the air inlets or outlets.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Do not use the unit near water or in excessively humid environments.
- Keep the unit away from heat sources and direct sunlight.
- This appliance is for indoor use only.
- Do not clean the filter or evaporative media with water exceeding 110°F (43°C).

## 2. PRODUCT OVERVIEW

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The COOLECH JDAC90R is a 42-inch windowless portable evaporative air cooler designed to provide cooling, humidification, and fan functions. It features a compact design, multiple operating modes, and convenient controls.

# NO.1

Air Cooler Brand  
for 2S Cooling in the US\*

\*Source: Based on official statistics for January 2021-December 2024.

Image: The COOLECH JDAC90R unit illustrating its four operational modes: Cooling, Humidifying, Sleep, and Fan. Each mode is depicted with visual cues like snowflakes for cooling and water droplets for humidifying.

## Key Features:

- **4-in-1 Functionality:** Fan, Humidifier, Air Cooler, and Sleep Mode.
- **3 Wind Speeds:** Low (18ft/s), Medium (22ft/s), High (28ft/s).
- **4 Modes:** Normal, Natural, Sleep, Cooling.
- **90° Oscillation:** Wide-angle airflow distribution.
- **1-Gallon Water Tank:** Provides up to 15 hours of continuous cooling.
- **12-Hour Timer:** Programmable auto shut-off.
- **Smart LED Touch Control & Remote Control:** Dual control options for convenience.
- **Low Noise Operation:** Operates at approximately 50 dB.
- **Windowless Design:** No hoses or window kits required.
- **Easy Maintenance:** Removable cooling pad and rear grill for cleaning.



Image: A diagram illustrating the evaporative cooling process. Hot, dry air is drawn into water-soaked panels, converting it into cooler, more humid air.

## 3. SETUP

### 3.1 Unpacking

Carefully remove the air cooler from its packaging. Check for any damage during transit. Ensure all components are present: 1 x Portable Air Conditioner, 1 x Remote Control, Ice Packs, User Manual.

### 3.2 Base Assembly

The unit requires simple base assembly.

1. Piece the two halves of the base together.
2. Align the assembled base with the bottom of the cooler.
3. Secure the base to the cooler using the provided screws.

## How to Use the Cool Function?

1. Add water to the ice packs and shake it.
2. Place ice packs in the fridge, freeze 6 hours.
3. Put ice packs into water tank.
4. Add water to the tank
5. Turn on the cooling mode

Note: The cool function mode can only be used when the water volume is sufficient.

Image: A visual guide demonstrating the three steps for assembling the cooler's base: piecing the base, installing it onto the cooler, and securing it with screws.

### 3.3 Initial Water Tank Preparation (for Cooling/Humidifying)

For cooling and humidifying functions, the water tank needs to be filled. The unit includes 4 ice packs for enhanced cooling.

1. For first-time use of ice packs, fill them with water up to the MAX line and shake. Do not overfill.
2. Place the filled ice packs in a freezer for at least 6 hours until completely frozen.
3. Open the water tank cover on the unit.
4. Place the frozen ice packs into the water tank.
5. Fill the water tank with clean water. Monitor the visible water level indicator.
6. Close the water tank cover securely.

## Breeze Across Your Home

COOLECH air cooler performance delivers cooling air to every corner of your home

Room Size	Time
300 sq.ft	12min
250 sq.ft	9min
200 sq.ft	6min

\*Results verified at COOLECH laboratories in 1076 sq.ft

Image: A step-by-step visual guide on how to prepare and use the included ice packs for enhanced cooling, including filling, freezing, and placing them in the unit.

Your browser does not support the video tag.

Video: An installation guide for the JDAC90R air conditioner, demonstrating the assembly process and initial setup steps.

## 4. OPERATING INSTRUCTIONS

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The COOLECH JDAC90R can be controlled via the LED touch panel on top of the unit or using the included remote control.



Image: A visual representation of the two control methods: the intuitive LED touch panel on the unit's top and the remote control for convenient operation from a distance.

### 4.1 Power On/Off

- Press the **ON/OFF** button on the control panel or remote to turn the unit on or off.

### 4.2 Adjusting Wind Speed

The unit offers three wind speeds: Low, Medium, and High.

- Press the **SPEED** button repeatedly to cycle through Low, Medium, and High settings.

### 4.3 Selecting Operating Mode

Choose from four modes: Normal, Natural, Sleep, and Cooling.

- Press the **MODE** button repeatedly to select your desired mode.
- **Normal Mode:** Provides a consistent airflow.
- **Natural Mode:** Simulates natural wind by varying fan speeds.
- **Sleep Mode:** Gradually decreases fan speed and operates quietly for undisturbed rest.
- **Cooling Mode:** Activates the evaporative cooling function, requiring water in the tank.



## Maximum Portability with Built-in Handle



Image: The 'Upgraded Multifunctional Cooler' graphic, illustrating the three primary functions based on water usage: Fan (no water), Humidifier (add water), and Air Cooler (add water and ice).

### 4.4 Oscillation Function

The unit features a 90° auto-oscillation to distribute air evenly.

- Press the **SWING** button to activate or deactivate the oscillation.

### 4.5 Timer Setting

Set the timer for automatic shut-off from 1 to 12 hours.

- Press the **TIMER** button repeatedly to set the desired operating duration. The display will show the selected hours.

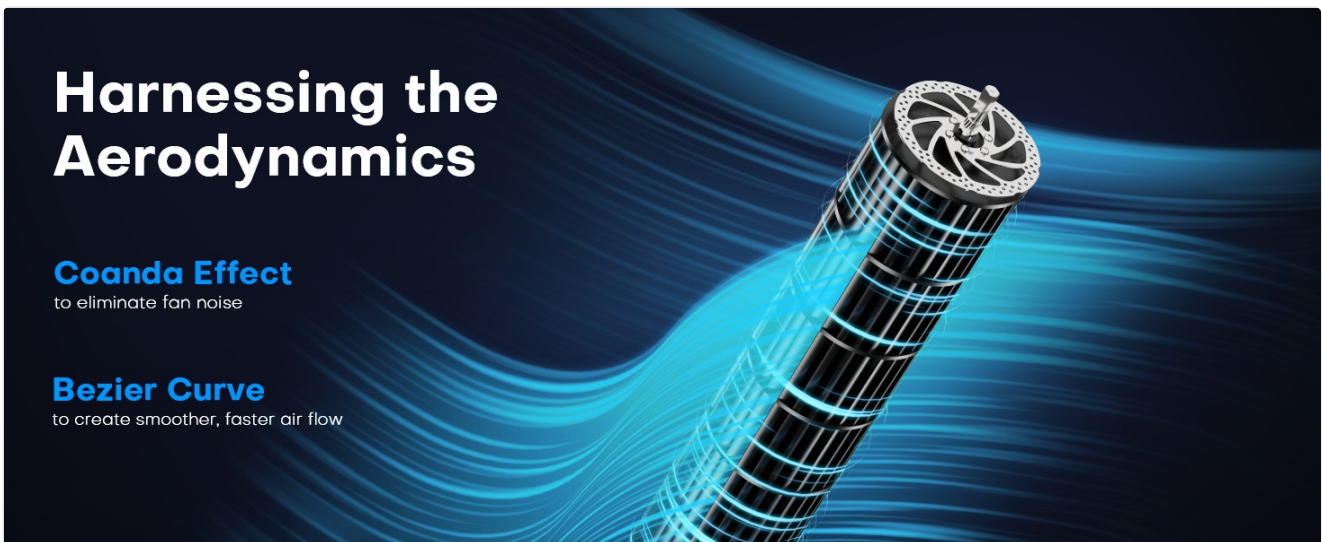


Image: The 'Smart Sleep Mode' graphic, highlighting its energy-saving benefits and quiet operation at 50dB, ideal for nighttime use.

## 5. MAINTENANCE

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

### 5.1 Cleaning the Filter and Evaporative Media

The rear grill and honeycomb pad (evaporative media) are detachable for easy cleaning.

1. Unplug the unit from the power outlet.

2. Unscrew the screws on the back of the unit to remove the rear grill.
3. Carefully remove the filter and evaporative media.
4. Rinse the filter and evaporative media under running water. Do not use water hotter than 110°F (43°C).
5. Allow both components to dry completely before re-installing.
6. Re-install the evaporative media and filter, then secure the rear grill with screws.

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Video: A demonstration on how to clean the filter and evaporative media of the air cooler, including removal, washing, and re-installation steps.

## 5.2 Cleaning the Water Tank

It is recommended to clean the water tank once a week.

- Unplug the unit.
- Remove the water tank.
- Clean the inside of the tank with a soft cloth or brush and mild detergent.
- Rinse thoroughly and ensure no detergent residue remains.
- Re-install the water tank.

## 5.3 Storage

Before storing the unit for an extended period:

1. Drain all water from the tank using the drainage outlet at the bottom of the cooler.
2. Clean the water tank, filter, and evaporative media as described above.
3. Ensure all components are completely dry to prevent mold or mildew growth.
4. Store the unit in a cool, dry place, preferably in its original packaging.

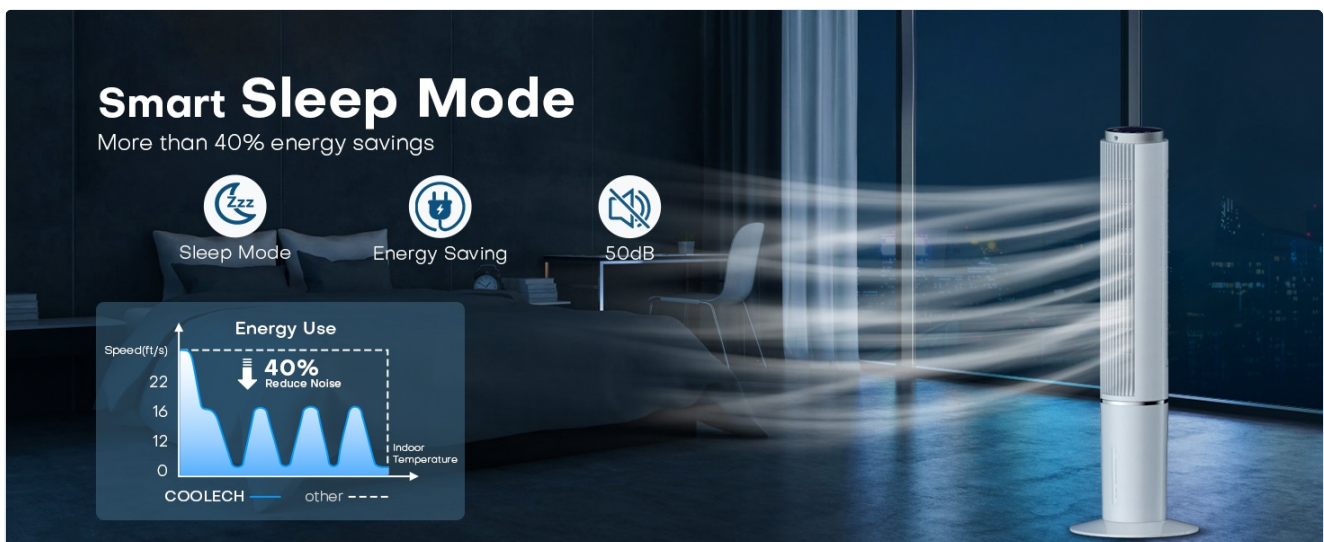


Image: A composite image highlighting various features including the drainage outlet, anti-dumping base, visible water level indicator, ice packs, and the easy water refill mechanism.

## 6. TROUBLESHOOTING

If you encounter issues with your COOLECH JDAC90R, refer to the following common problems and solutions.

### 6.1 Water Leakage

If the unit is leaking water, check the following:

- Ensure the water tank is properly seated and closed.
- Verify that the drainage plug at the bottom is securely closed.
- Check for any blockages or bends in the internal sewer pipe.

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Video: A troubleshooting guide addressing water leakage issues, showing how to check and correct common causes.

## 6.2 No Air Flow

If the unit is not producing sufficient airflow, consider these steps:

- Check if the air inlets and outlets are obstructed.
- Ensure the filter and evaporative media are clean and not clogged.
- Verify the fan speed setting is appropriate.

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Video: A troubleshooting video for when the product experiences no airflow, guiding users through potential causes and solutions.

## 6.3 Unit Not Turning On

- Check if the power cord is securely plugged into a working electrical outlet.
- Ensure the power button on the unit or remote is pressed.
- Verify if there's a power outage or tripped circuit breaker.

## 6.4 Water Shortage Alarm

The unit features a smart waterless alert system that beeps and flashes when the water level is low.

- Refill the water tank when the low water indicator is active. The unit will automatically shut off if the water level remains too low.



Image: The 'Smart Waterless Alert System' graphic, showing the water level indicator and the alarm icon that appears when water is low, prompting a refill.

## 7. SPECIFICATIONS

Feature	Specification
Model Name	JDAC90R

Dimensions (D x W x H)	9.1"D x 9.1"W x 42.7"H
Item Weight	15.67 pounds
Air Flow Capacity	1320 Cubic Feet Per Minute (CFM)
Max Air Speed	28 FT/S
Max Coverage Area	300 Sq. Ft
Evaporation Capacity	0.5 L/H
Reservoir Capacity	1 Gallon
Noise Level	50 Decibels
Power Consumption	80W
Voltage	120 Volts
Included Components	Portable Air Conditioner, Remote Control, Ice Packs, User Manual

## 8. WARRANTY AND SUPPORT

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For any questions, problems, or warranty claims, please contact COOLECH customer support.

- **Email:** [support@usfan.net](mailto:support@usfan.net)
- **Amazon Message:** Contact seller directly through your Amazon order.

COOLECH is committed to delivering high-quality home appliances and offers dedicated support to its customers.

