KEGIAN JH-40BI

KEGIAN 4800CFM Evaporative Air Cooler

Model: JH-40BI - Instruction Manual

1. Product Overview

The KEGIAN 4800CFM Evaporative Air Cooler (Model JH-40BI) is designed to provide efficient cooling for indoor and outdoor spaces up to 970 sq. ft. This unit utilizes evaporative cooling technology, offering a cost-effective and energy-efficient alternative to traditional air conditioning in dry climates. Key features include a powerful 4800 CFM airflow, 120° oscillation, three-speed fan control, and a large 10.6-gallon water tank with continuous auto-fill capability.



Image: The KEGIAN 4800CFM Evaporative Air Cooler in an outdoor setting, highlighting its 360-degree cooling, 970 sq. ft. coverage, 4800 CFM airflow, three-speed control, and 120° oscillation.

2. Safety Instructions

- Read all instructions before using this appliance.
- Ensure the power supply voltage matches the rating label on the unit.
- Do not operate the cooler with a damaged cord or plug.
- Keep the unit away from heat sources, open flames, and flammable materials.
- Always unplug the unit before cleaning, maintenance, or when not in use.
- Do not immerse the unit, cord, or plug in water or other liquids.
- Supervise children and individuals with reduced capabilities when near the appliance.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Do not block air inlets or outlets.

- This appliance is for evaporative cooling only; it is not an air conditioner.

3. Included Components

Verify that all components are present upon unpacking:

- Evaporative Cooler (1 unit)
- Ice Packs (3 units)
- Hose Adapter (1 unit)
- Universal Wheels (4 units)
- User Manual (1 unit)

4. Setup

4.1 Attaching Universal Wheels

1. Carefully tilt the cooler to access its base.
2. Insert the stem of each universal wheel into the designated holes on the bottom of the unit.
3. Ensure the wheels are securely locked into place. Two of the wheels are lockable for stability.

4.2 Water Filling

The cooler can be filled manually or connected to a continuous water supply.

Manual Top-Fill:

1. Open the wide top opening of the cooler.
2. Pour clean water into the tank, observing the Low-Max water lines to avoid overfilling. The tank capacity is 10.6 gallons.

Continuous Auto-Fill (Garden Hose Connection):

1. Locate the automatic water inlet copper joint on the unit.
2. Attach a standard garden hose to the inlet using the provided hose adapter.
3. Ensure the connection is secure to prevent leaks. The unit will automatically maintain the water level.



Image: A close-up of a hand attaching a garden hose to the cooler's automatic water inlet, illustrating the continuous auto-fill feature.

4.3 Using Ice Packs

For enhanced cooling, place the provided ice packs (or regular ice) into the water tank. This can boost the cooling effect, especially in very hot conditions.

5. Operation

5.1 Powering On/Off

Plug the power cord into a suitable electrical outlet. Use the main power switch on the control panel to turn the unit on or off.

5.2 Fan Speed Control

The unit features three fan speeds: Low, Medium, and High. Select your desired speed using the control buttons on the top panel.

5.3 Oscillation Function

Activate the oscillation function via the control panel to distribute cool air across a wider area (up to 120°). This helps to cool zones up to 970 sq. ft. more effectively.

5.4 Low Water Indicator

The cooler is equipped with a low water indicator. When the water level in the tank is low, the indicator will alert you, and the pump may automatically shut off to prevent damage. Refill the water tank promptly.



Image: A user operating the KEGIAN evaporative cooler, showing the mechanical piano switch and rocker switch on the control panel, and the 360° freely movable heavy-duty casters.

6. Maintenance

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

6.1 Draining the Water Tank

To prevent stagnant water and maintain hygiene, drain the water tank regularly, especially before storage. Use the bottom drain port for tool-free draining.

6.2 Cleaning Cooling Pads

The cooler features three high-density evaporative cooling pads. Periodically inspect and clean these pads to remove mineral buildup and ensure efficient evaporation. Refer to the detailed cleaning instructions in the full user manual for proper removal and cleaning procedures.



Image: An exploded view of the KEGIAN evaporative cooler, illustrating the three-sided cooling pad design for enhanced evaporative cooling.

6.3 General Cleaning

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

7. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

- **No Power:** Check if the power cord is securely plugged in and if the outlet is functional. Ensure the main power switch is ON.
- **No Cooling Effect:** Verify that the water tank has sufficient water. Ensure cooling pads are clean and saturated. Add ice packs for enhanced cooling.
- **Weak Airflow:** Check for any obstructions in the air inlets or outlets. Clean the cooling pads if they are clogged.
- **Water Leakage:** Ensure the unit is on a level surface. Check for proper connection of the garden hose if using auto-fill. Inspect the drain plug for a secure fit.
- **Unusual Noise:** Turn off the unit and check for any foreign objects in the fan or water pump area.

For persistent issues, contact customer support.

8. Specifications

Feature	Specification
Model Number	JH-40BI
Air Flow Capacity	4800 CFM
Coverage Area	Up to 970 sq. ft.
Oscillation	120°
Fan Speeds	3 (Low, Medium, High)
Water Tank Capacity	10.6 Gallons
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	200 Watts
Sound Level	60 Decibels
Dimensions (L x W x H)	43.18 x 58.42 x 104.14 cm
Item Weight	18.1 kg
Material	Metal, Polypropylene (PP)

9. Warranty and Support

The KEGIAN 4800CFM Evaporative Air Cooler comes with a**one-year warranty**. This warranty covers manufacturing defects and ensures product quality and safety, as confirmed by UL certification.

If you encounter any product problems or require assistance, please contact KEGIAN customer support. Refer to the product packaging or the official KEGIAN website for contact information.

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