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Uthfy JH-40BI

Uthfy JH-40BI 4800 CFM Evaporative Air Cooler Instruction Manual

Model: JH-40BI

1. INTRODUCTION

Thank you for choosing the Uthfy JH-40BI 4800 CFM Evaporative Air Cooler. This powerful and versatile unit is designed to provide efficient cooling for large spaces up to 1200 square feet, making it ideal for garages, patios, yards, factories, and commercial or residential environments. Featuring a robust copper motor, 3-side cooling pads, and a large 10.6-gallon water tank, it delivers a strong, refreshing airflow with 3 adjustable speeds and 120° oscillation.

Please read this manual thoroughly before operating your new evaporative air cooler to ensure safe and optimal performance. Keep this manual for future reference.



Figure 1: Front view of the Uthfy JH-40BI Evaporative Air Cooler.

2. IMPORTANT SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury, always follow these basic precautions:

- Read all instructions before using this appliance.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.

- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- Always unplug the unit from the power outlet before filling, cleaning, or servicing.
- Do not immerse the unit in water or other liquids.
- Use only on a level surface.
- Do not use the cooling function without water in the tank.
- Keep children and pets away from the unit during operation.
- Ensure the power supply matches the voltage specified on the unit's rating label.

3. SETUP AND ASSEMBLY

3.1 Caster Wheel Installation

The evaporative air cooler comes with four caster wheels for easy mobility. Two of these casters include brakes for secure placement.

1. Carefully tilt the unit onto its side or back to access the bottom.
2. Align each caster wheel with the pre-drilled holes on the bottom corners of the unit.
3. Securely fasten each caster wheel using the provided screws and a screwdriver or drill.
4. Once all casters are installed, carefully return the unit to an upright position.



Figure 2: Caster wheels allow for easy movement of the unit.

3.2 Water Filling Methods

The unit features a large 10.6-gallon water tank and offers multiple convenient ways to add water:

- **Top Water Fill:** Open the top lid of the unit and pour water directly into the tank. This method is convenient for manual refills without bending.
- **Manual Side Fill:** Locate the small access door on the front-bottom of the unit. Open it and pour water into the designated opening.
- **Continuous Water Fill:** For extended operation, attach a standard garden hose to the adapter located on the side of the unit. The cooler features an auto-pause function to prevent overfilling.

Monitor the water level using the visual water level indicator on the front of the unit. Ensure the water level is above the 'MIN' mark for the cooling function to operate correctly.

Applicable to Various Scenarios



Figure 3: Illustration of top, manual, and continuous water filling options.

3.3 Ice Pack Preparation and Placement

For enhanced cooling, the unit includes three ice packs. Freeze these ice packs for 3-5 hours before use. Once frozen, place them into the filled water tank via the top opening. This helps to further reduce the surrounding temperature.



Figure 4: The 3-side cooling pads and ice packs enhance cooling efficiency.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The control panel is located on the top of the unit and features intuitive buttons for easy operation.



Figure 5: Mechanical Control Panel.

- **Power:** Red switch to turn the unit ON/OFF.
- **Speed:** Buttons for High, Medium, Low, and Stop to adjust fan speed.
- **Cooling:** Green switch to activate/deactivate the evaporative cooling function. Ensure water is in the tank before activating.
- **Swing:** Green switch to activate/deactivate the 120° oscillation feature, distributing cool air evenly.

4.2 Initial Operation

1. Ensure the water tank is filled to an appropriate level (above MIN).
2. Plug the power cord into a suitable electrical outlet.
3. Flip the **Power** switch to ON.
4. Select your desired fan speed (High, Medium, or Low).
5. For cooling, flip the **Cooling** switch to ON.
6. For wider air distribution, flip the **Swing** switch to ON.



Figure 6: The unit delivers a powerful and cooling airflow.

4.3 Video Demonstrations

Your browser does not support the video tag.

Video 1: A seller demonstrates the features and operation of the Uthfy evaporative air cooler, highlighting its efficiency and ease of use for large spaces.

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Video 2: A short preview demonstrating the Uthfy evaporative air cooler effectively cooling a garage space.

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Video 3: A seller highlights the extra powerful airflow of the Uthfy 41-inch swamp cooler, showcasing its cooling capabilities.

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Video 4: A seller demonstrates the powerful metal fan of the Uthfy evaporative cooler.

5. MAINTENANCE

5.1 Draining the Water Tank

Regularly drain the water tank to prevent stagnant water and maintain optimal performance. The unit features a clearly marked drain port at the bottom.

1. Unplug the unit from the power outlet.
2. Locate the drain plug at the bottom of the unit.
3. Place a bucket or container under the drain port.
4. Remove the drain plug to allow water to empty from the tank.
5. Once empty, replace the drain plug securely.



Figure 7: The drainage outlet simplifies the cleaning process.

5.2 Cleaning Cooling Pads

The 3-side evaporative cooling pads should be inspected and cleaned periodically to ensure efficient cooling. Refer to the full user manual for detailed cleaning instructions specific to the cooling pads.

5.3 Storage

When not in use for an extended period, ensure the unit is completely drained and dry. Wrap the power cord around the designated holders on the back of the unit for neat storage.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------|--|---|
| Unit does not turn on | No power supply; Power switch is OFF | Check power connection; Ensure Power switch is ON |
| No cooling effect | Water tank is empty; Cooling function is OFF; Cooling pads are dirty | Fill water tank; Turn Cooling switch ON; Clean cooling pads |
| Water leakage | Drain plug is loose; Unit is not level | Secure drain plug; Place unit on a level surface |
| Unusual noise | Obstruction in fan; Unit is not level | Check for obstructions; Place unit on a level surface |

7. SPECIFICATIONS

| Feature | Detail |
|-----------------------------|---|
| Brand | Uthfy |
| Model Name | swamp cooler |
| Model Number | JH-40BI |
| Material | Metal |
| Mounting Type | Freestanding |
| Air Flow Capacity | 4800 Cubic Feet Per Minute (CFM) |
| Controls Type | Button |
| Reservoir Capacity | 10.6 Gallons |
| Item Weight | 39.68 Pounds |
| Wattage | 200 watts |
| Noise | 45 Decibels |
| Number of Speeds | 3 |
| Voltage | 120 Volts |
| Item Dimensions (D x W x H) | 23.23"D x 16.54"W x 39.96"H |
| Included Components | 4 x Caster Wheels, Ice Pack, Swamp Cooler |
| Recommended Uses | Commercial, Industrial, Residential |

8. WARRANTY AND SUPPORT

This Uthfy evaporative air cooler comes with a **1 Year Manufacturer Warranty**. For any warranty claims, technical support, or service inquiries, please contact Uthfy customer service directly. Keep your purchase receipt as proof of purchase.