

## Lennox HCWP3-18

# Lennox Healthy Climate HCWP3-18 Power Humidifier Instruction Manual

## 1. INTRODUCTION

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The Lennox Healthy Climate HCWP3-18 Power Humidifier is designed to integrate with your existing HVAC system to maintain optimal humidity levels throughout your home. This whole-home solution helps alleviate symptoms associated with dry indoor air, such as respiratory problems, sore throat, and dry skin, while also reducing static electricity. Its automatic control feature ensures consistent humidity without constant adjustments, contributing to a more comfortable living environment and potentially allowing for lower thermostat settings during colder months, which can lead to energy savings.

## 2. KEY FEATURES

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- Maintains consistent humidity levels with automatic control.
- Suitable for homes of various sizes.
- Designed for installation with existing HVAC systems.
- Compact dimensions: 16 inches (width) x 11 inches (depth) x 11 inches (height).
- Backed by a 5-year limited warranty on covered components.
- Ozone-free operation.

## 3. SETUP AND INSTALLATION

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The HCWP3-18 Power Humidifier is designed for professional installation into your home's existing HVAC ductwork, typically on the supply or return plenum of your furnace or air handler. Proper installation ensures efficient operation and integration with your heating and cooling system.



**Figure 1:** Lennox Healthy Climate HCWP3-18 Power Humidifier unit, showing its compact dimensions of 16 inches wide, 11 inches deep, and 11 inches high. This unit is designed for integration with an existing HVAC system.

Installation typically involves:

1. Mounting the humidifier unit directly onto the furnace or air handler ductwork.
2. Connecting the humidifier to a water supply line.
3. Routing a drain line from the humidifier to an appropriate floor drain or condensate pump.
4. Wiring the humidifier to the furnace control board and the humidistat.
5. Installing the humidistat control in a suitable location, often on the return air duct, to monitor and regulate humidity levels.

It is recommended that installation be performed by a qualified HVAC technician to ensure correct setup and optimal performance.

## 4. OPERATING INSTRUCTIONS

The Lennox Healthy Climate HCWP3-18 Power Humidifier features an automatic control system for ease of use. Once installed and configured, the system will automatically adjust its operation to maintain your desired humidity level.

### Humidistat Control

The humidifier is controlled by a humidistat, typically a dial-type control, which allows you to set the desired percentage of humidity. The humidistat may also include recommendations for humidity settings based on outdoor temperature to prevent condensation on windows and other surfaces.

- **Setting Humidity:** Rotate the dial to select your preferred humidity percentage. Common settings range from 15% to 45%.
- **Automatic Operation:** The humidifier will activate when the humidity level in your home falls below the set point and the HVAC system is operating.

- **Off Setting:** Turn the dial to the 'OFF' position to disable humidification.

Refer to the markings on your specific humidistat for recommended settings based on outdoor temperatures to optimize comfort and prevent issues like window condensation.

## 5. MAINTENANCE

Regular maintenance is crucial for the efficient and long-lasting operation of your humidifier. While specific maintenance schedules may vary, general guidelines include:

- **Evaporator Pad Replacement:** The humidifier uses an evaporator pad (also known as a water panel or filter) that requires periodic replacement, typically once per heating season. Refer to your installer's recommendations or the humidifier's service manual for the exact replacement schedule and procedure.
- **Cleaning:** Periodically inspect and clean the humidifier's water distribution tray and drain pan to prevent mineral buildup and ensure proper drainage.
- **Water Line Inspection:** Check the water supply line and drain line for any leaks or blockages.

Always turn off power to the humidifier and HVAC system before performing any maintenance.

## 6. TROUBLESHOOTING

If you encounter issues with your humidifier, consider the following common troubleshooting steps:

- **No Humidification:**
  - Ensure the humidistat is set to an appropriate humidity level and not in the 'OFF' position.
  - Verify that the HVAC system (furnace fan) is operating.
  - Check if the water supply valve to the humidifier is open.
  - Inspect the evaporator pad for excessive mineral buildup or damage.
- **Excessive Humidification/Condensation:**
  - Lower the humidistat setting.
  - Ensure the humidistat is correctly calibrated for outdoor temperatures.
- **Water Leaks:**
  - Check all water connections for tightness.
  - Inspect the drain line for blockages or kinks.
  - Ensure the humidifier is level.

For persistent issues, contact a qualified HVAC technician for diagnosis and repair.

## 7. SPECIFICATIONS

| Attribute  | Value                                 |
|------------|---------------------------------------|
| Brand      | Lennox                                |
| Model Name | HCWP3-18 (also known as Y2789, 24029) |

|                         |   |
|-------------------------|---|
| Humidification Capacity | 18 Gallons per day                              |
| Coverage Area           | Up to 2100 Square Feet                          |
| Dimensions (D x W x H)  | 11" x 16" x 11"                                 |
| Voltage                 | 120V, 60 Hz, 1 ph                               |
| Shipping Weight         | 15 lbs  |
| Special Feature         | Automatic Humidifier Control                    |
| Included Components     | Humidistat, Mounting Hardware, Filter/Cartridge |

## 8. WARRANTY AND SUPPORT

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### Warranty Information

The Lennox Healthy Climate HCWP3-18 Power Humidifier comes with a **5-year limited warranty** on covered components. Please retain your proof of purchase and installation records for warranty claims. For full details regarding warranty coverage, terms, and conditions, refer to the official warranty document provided with your product or contact Lennox customer service.

### Customer Support

For technical assistance, service, or to inquire about replacement parts, please contact your authorized Lennox dealer or visit the official Lennox website for support resources. When contacting support, have your product model number (HCWP3-18 or 24029) and serial number readily available.