

Lennox G11 Furnace Owners Manual

SERVICE — UNIT INFORMATION — G11E

Litho U.S.A.

G11E SERIES UNITS

I - INTRODUCTION

G11E units are built with Duracurve heat exchangers that have the Lennox Duraglass coating. These furnaces are atmospheric type burners that use pilot burners for ignition.

"G11E" units use electronic ignition systems to light the pilot on each operating cycle (intermittent pilot). A protection circuit verifies pilot flame to allow main burner ignition. Main burner and pilot are extinguished during the off cycle. If the pilot gas does not light, the main gas valve will not open.



FIGURE 1

Only the G11E unit is approved for usage with the optional Vent Damper Assembly. The damper actuator electrically interlocks with the ignition system. The vent damper must be fully open before pilot ignition can occur.

The units are manufactured for natural gas applications, but field propane field changeover kits are available.

Figure 1 shows a cutaway of a G11E-110.

Model Number	G11E-110V
Brh	200,000
Brh bonnet output	195,000
Chg for 100 °F temperature rise	1,000
Vent size (in.)	7 oval
High static approved by A.G.A. (in. wg.)	50
Gas piping size (I.P.S. in.)	Natural 3/4 Propane 1/2
No. of burners	5
Blower wheel nominal diam. x width (in.)	12 x 12
Blower motor (hp) x diam. (in.)	1/3 x 7-1/8
Blower motor & blower shipped separately	see drive kit selection table
Net filter area (sq. ft.) & cut size (in.)	0.7 sq. ft. x 28 x 1
Tons of cooling that can be added	3 1/2 or 4 or 5
Shipping weight (lbs.)	204
Number of packages in shipment	1
(Inches of characteristics)	120 volts — 60 Hertz — 1 phase
(Optional)	Model No. RA10-16-53
Return Air Cabinet	Net weight (lbs.) 75
Vent Damper Assembly — Optional	AFD6
Air Shutter Kit (Nat. Gas Only)	LB-32077CD

II - UNIT INFORMATION

A - Specifications

Model Number	G11Q3E-82V	G11Q3E-110V	G11Q3E-137V	G11Q4E-137V	G11Q5E-165V
Brh	82,000	110,000	137,000	137,000	165,000
Brh bonnet output	63,000	85,000	106,000	106,000	127,000
Vent size (in.)	4 round	5 oval	6 oval	6 oval	8 oval
High static certified by A.G.A. (in. wg.)	50	50	50	50	50
Gas piping size (I.P.S. in.)	Natural 1/2 Propane 1/2	1/2	1/2	1/2	3/4
No. of burners	3	4	5	5	6
Blower wheel nominal diam. x width (in.)	10 x 7	10 x 8	10 x 8	12 x 9	12 x 12
Blower motor horsepower	1/3	1/3	1/3	1/3	3/4
Net filter area (sq. ft.) & cut size (in.)	(5.8) 36 x 28 x 1	(6.6) 40 x 28 x 1	(8.9) 52 x 28 x 1	(8.9) 52 x 28 x 1	(9.7) 54 x 28 x 1
Tons of cooling that can be added	2, 2-1/2 or 3	2-1/2 or 3	2-1/2 or 3	3-1/2 or 4	4 or 5
Shipping weight (lbs.)	175	204	256	264	314
Number of packages in shipment	1	1	1	1	1
Electrical characteristics	120 volt — 60 Hertz — 1 phase (All Units)				
Return Air Cabinet	Model No. RA10-16-49	RA10-16-49	RA10-16-53	RA10-16-53	RA10-16-53
	Net weight (lbs.) 65	65	75	75	75
Vent Damper Assembly — Optional	AFD4	AFD5	AFD6	AFD6	AFD6
Air Shutter Kit (Nat. Gas Only)	LB-32077CA		LB-32077CB		

Lennox G11 furnace owners manual is an essential resource for anyone who owns this heating system. It provides valuable information on the installation, operation, and maintenance of the furnace to ensure it operates efficiently and effectively. Understanding the features and functions of your Lennox G11 furnace can help you maximize its performance, extend its lifespan, and potentially save on energy costs. In this article, we will delve into the contents of the owners manual, discuss common issues and troubleshooting tips, and highlight the importance of regular maintenance.

Overview of the Lennox G11 Furnace

The Lennox G11 furnace is known for its reliability and efficiency. It is a

gas-fired furnace that offers a range of heating capacities to suit various home sizes. The G11 model is designed with advanced features that enhance its performance and energy efficiency. Here are some key features:

- Multi-speed blower for enhanced comfort and quiet operation.
- Energy-efficient design that helps reduce utility bills.
- Durable construction materials for long-lasting performance.
- Easy-to-use control interface.

Contents of the Lennox G11 Furnace Owners Manual

The owners manual for the Lennox G11 furnace is a comprehensive document that includes vital information for both installation and operation. Here are some of the main sections that you can expect to find:

1. Safety Information

The safety section outlines important precautions to take when operating the furnace. It includes warnings about gas leaks, carbon monoxide poisoning, and electrical hazards. Always read and adhere to the safety guidelines to ensure a safe environment.

2. Installation Guidelines

This section provides detailed instructions for the proper installation of the furnace. Key points include:

1. Location: Recommendations for the best placement of the furnace to ensure optimal airflow and safety.
2. Ventilation: Guidelines for venting the furnace to ensure proper exhaust of gases.
3. Connections: Instructions for gas and electrical connections.

3. Operating Instructions

Understanding how to operate your Lennox G11 furnace is crucial for effective heating. This section covers:

- **Thermostat settings:** How to set and adjust the thermostat for maximum comfort.
- **Starting and stopping the furnace:** Step-by-step instructions for turning the furnace on and off.
- **Emergency procedures:** What to do in case of an emergency, including shutting off the gas supply.

4. Maintenance and Care

Regular maintenance is key to the longevity of your furnace. The manual provides a maintenance schedule and tasks to perform, such as:

1. **Replacing air filters:** Recommendations on how often to replace filters and the type to use.
2. **Cleaning the furnace:** Tips for dusting and cleaning the furnace components.
3. **Annual inspections:** The importance of having a professional inspect and service the furnace yearly.

Common Issues and Troubleshooting Tips

Even with proper maintenance, issues may arise with your Lennox G11 furnace. Here are some common problems and troubleshooting tips:

1. Furnace Won't Start

If your furnace fails to start, check the following:

- Ensure the thermostat is set to a temperature higher than the current

room temperature.

- Verify that the gas supply is turned on and that the pilot light is lit (if applicable).
- Check electrical connections and ensure the furnace is receiving power.

2. Inconsistent Heating

If you notice that some rooms are warmer than others, consider:

1. Inspecting air filters for dirt and clogs, as dirty filters can restrict airflow.
2. Checking vents for blockages or closed dampers.
3. Ensuring the blower motor is functioning properly.

3. Unusual Noises

Strange noises can indicate potential issues. Here's what to listen for:

- Rattling: May indicate loose components that need tightening.
- Hissing: Could signify a gas leak or air escaping from ductwork.
- Grinding: Often points to issues with the blower motor that require professional attention.

Importance of Regular Maintenance

Regular maintenance is crucial for the efficient operation of your Lennox G11 furnace. Here are some reasons why you should prioritize maintenance:

1. Improved Efficiency

A well-maintained furnace operates more efficiently, which can lead to significant savings on energy bills. Regular checks and filter replacements help maintain optimal airflow and heating performance.

2. Extended Lifespan

Investing in routine maintenance can extend the life of your furnace. By addressing minor issues before they become major problems, you can avoid costly repairs and the need for premature replacement.

3. Enhanced Safety

Regular maintenance helps identify and rectify safety hazards, such as gas leaks or malfunctioning safety controls. Keeping your furnace in good working order ensures a safe environment for you and your family.

Conclusion

The **Lennox G11 furnace owners manual** is an invaluable tool for furnace owners. By familiarizing yourself with the manual, you can ensure safe and efficient operation, troubleshoot common problems, and understand the importance of regular maintenance. Taking the time to read through the manual and follow its guidelines will not only enhance your comfort but also contribute to the longevity of your heating system. For any unresolved issues or complex maintenance tasks, always consider contacting a professional technician to ensure your furnace operates at its best.

Frequently Asked Questions

Where can I find the Lennox G11 furnace owner's manual?

You can find the Lennox G11 furnace owner's manual on the official Lennox website under the 'Product Manuals' section or by contacting Lennox customer support.

What are the key maintenance tips included in the Lennox G11 furnace owner's manual?

Key maintenance tips include regularly changing the air filter, cleaning the furnace and its components, checking for gas leaks, and scheduling annual professional inspections.

How do I reset my Lennox G11 furnace according to the owner's manual?

To reset your Lennox G11 furnace, turn off the power to the unit, wait for about 30 seconds, and then turn the power back on. This can often resolve minor issues.

What should I do if my Lennox G11 furnace is making unusual noises?

If your Lennox G11 furnace is making unusual noises, refer to the troubleshooting section of the owner's manual for possible causes and solutions. If the issue persists, contact a qualified technician.

Does the Lennox G11 furnace owner's manual provide troubleshooting guides?

Yes, the owner's manual for the Lennox G11 furnace includes troubleshooting guides for common issues, such as ignition failures, inadequate heating, and unusual noises.

What type of filter does the Lennox G11 furnace require?

The Lennox G11 furnace typically requires a disposable or washable air filter, with specific dimensions and MERV ratings mentioned in the owner's manual.

Can I download the Lennox G11 furnace owner's manual online?

Yes, you can download the Lennox G11 furnace owner's manual in PDF format from the Lennox website for easy access and printing.

Find other PDF article:

<https://soc.up.edu.ph/38-press/files?docid=IU14-7706&title=machine-elements-in-mechanical-design-6th-edition-solutions.pdf>

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Goodman lennox -

Goodman lennox Energy.gov 67
...

Lennox broths - 2

Lennox broth without salt (LB-NS) 2

BBC - 2

Mr. Henry Lennox stood leaning against the chimney-piece, amused with the family scene. He was close by his handsome brother; he was the plain one in a singularly good-looking family; ...

Lennox - 2

Lennox (lan Lennox McHarg, 1920--2001) 1969 ...

Lennox? - 2

Oct 22, 2022 · 1 Lennox 2 Carrier 3 AirStow 4 Whirlpool 5 Rheem

Into the West - 2

Into the West Song by Annie Lennox Lay down Your sweet and weary head Night is falling ...

Goodwood Festival of Speed ...

Charles Gordon-Lennox the Earl of March and Kinrara 2.2/ 1993 Charles the Earl of March and Kinrara ...

Find the complete Lennox G11 furnace owners manual here! Get essential tips

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