

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.

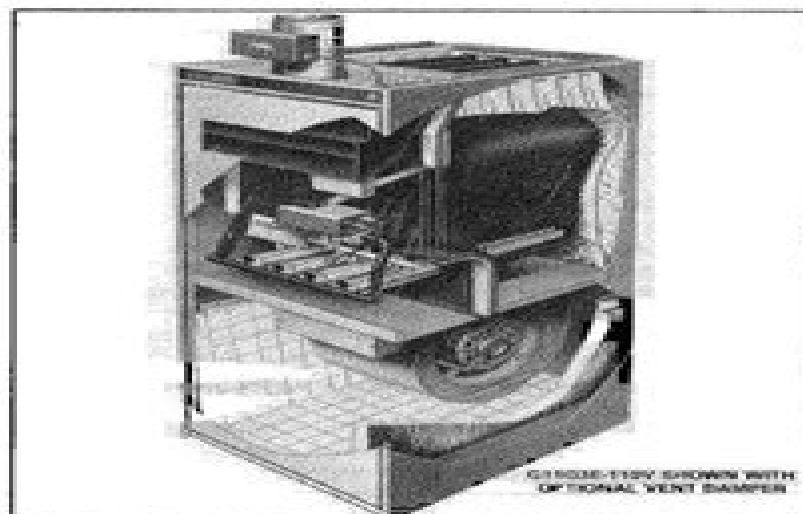


FIGURE 1

II - UNIT INFORMATION

G11E SERIES UNITS

"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.

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-200V
Blush input		200,000
Blush bonnet output		165,000
U.S. for 120 V temperature rise		1680
Vent size (in.)		2 oval
High static certified by A.G.A. (in. w.g.)		50
Gas piping size		1/2
I.P.S. in. I		1/2
No. of burners		3
Blower wheel nominal diam. x width (in.)		12 x 12
Blower motor horsepower		1/3
Net filter area (sq. ft. & cut size (in.))		16.61 40 x 28 x 1
Tons of cooling that can be added		2.2 2-1/2 or 3
Shipping weight (lbs.)		264
Number of packages in shipment		1
Electrical characteristics		120 volts — 60 hertz — 1 phase
Optional Return Air Cabinet		RA10-16-49
Vent Damper Assembly — Optional		AFD4
Air Shutter Kit (Nat. Gas Only)		LB-32077CC

A - Specifications

Model Number	G1103E-82V	G1103E-110V	G1103E-137V	G1104E-137V	G1105E-165V
Blush	82,000	110,000	137,000	137,000	165,000
Blush bonnet output	63,000	85,000	106,000	106,000	127,000
Vent size (in.)	4 round	5 oval	6 oval	6 oval	6 oval
High static certified by A.G.A. (in. w.g.)	50	50	50	50	50
Gas piping size	Natural	1/2	1/2	1/2	3/4
I.P.S. in. I	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	(9.2) 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 Gas Furnace Repair Manual

Sabine Zange



Lennox Gas Furnace Repair Manual:

Manual of home repairs, remodeling & maintenance ,1969 Sanitary & Heating Engineering ,1929

High-efficiency Gas Furnace Troubleshooting Handbook Billy C. Langley,1991 *High Efficiency Gas Furnace Fixes* Robert Enochs,2024-03-01 Fix Your Furnace Without Having to Hire a Professional This easy to read and follow comprehensive HVAC repair manual is your ultimate guide to troubleshooting and fixing common issues with your furnace without needing a costly service technician This furnace troubleshooting book does not read like a typical HVAC for beginners or HVAC for Dummies repair book no this is more like a storybook that takes you on a fascinating journey of learning everything there is to know about your furnace Because after all you need to know how it works before you can fix it This book is designed specifically for homeowners and brand new service technicians to empower anyone to take control of their heating system and confidently tackle repairs Inside you ll find practical step by step instructions and expert tips to help you navigate through any condensing gas furnace problem You ll learn to tackle each task carefully understanding the importance of safety procedures You ll also get a history lesson to better understand how heat exchangers and many other internal components work and why they do what they do Because after all you can t fix something if you don t know what it s supposed to do in the first place This HVAC book offers a clear rundown of the essential equipment including specialized diagnostic tools that make you feel like a furnace pro Delve deep into what makes your furnace tick as you familiarize yourself with its key components each explained with clarity and practical detail With each page you ll gain proficiency in addressing common issues from burners that won t light up to clogged condensate drains Learn the ins and outs of thermostat tweaks why a filter replacement is critical and what to do when a hot surface ignitor or flame sensor throws a tantrum After mastering these topics you won t just learn how to fit it you ll learn maintenance tips to prevent future problems Key Features Easy to follow troubleshooting guides for common furnace problems Detailed explanations of high efficiency condensing gas furnace components and operation Insider tips and tricks to save time and money on repairs Safety precautions and best practices for DIY furnace maintenance Bonus chapter on preventive maintenance to keep your furnace running efficiently year round Whether you re a homeowner looking to repair the furnace in the middle of the night by yourself or save on repair costs this book will teach you everything you need to know and things you previously had no idea about High Efficiency Gas Furnace Fixes is your HVAC repair book and this is not HVAC repair for dummies this easy to read book will explain everything you need to know about your condensing gas furnace Embrace the power and satisfaction of being able to fix the furnace yourself with open arms and enjoy the mental ease that comes with invaluable know how

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Miller,2012-10-04 This fully updated study guide helps readers pass the HVAC licensing exam and serves as an on the job reference after the exam **Popular Mechanics** ,1990-09 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle

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