



GAS FURNACES

G60UH

ELITE® SERIES

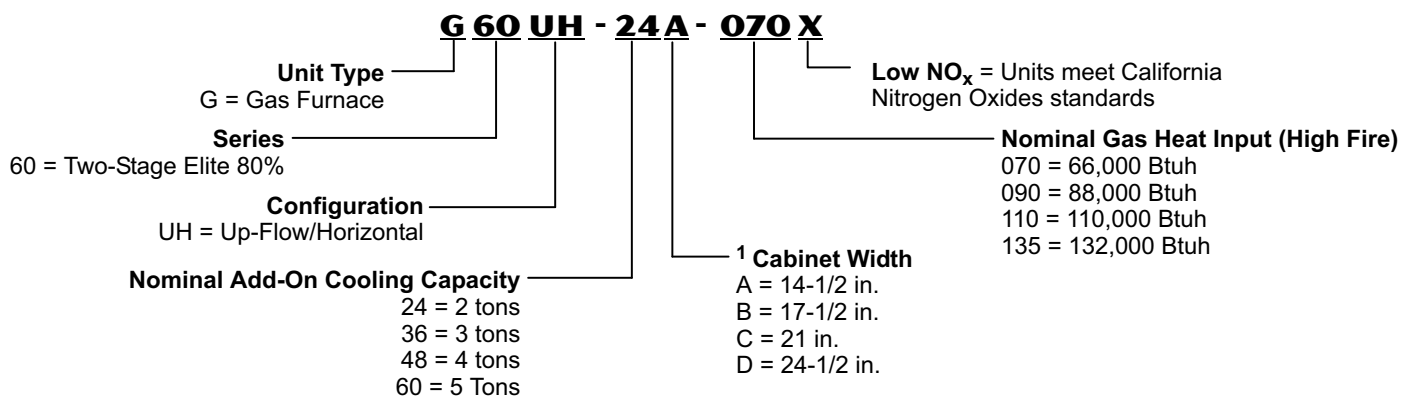
Up-Flow / Horizontal - Two-Stage Heat

Bulletin No. 210350
December 2008
Supersedes May 2007



AFUE - 80%
Input - 66,000 to 132,000 Btuh
Nominal Add-on Cooling - 1.5 to 5 tons

MODEL NUMBER IDENTIFICATION



¹ Indoor coils with the same letter designation will physically match the furnace.

FEATURES

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WARRANTY

Duralok® Aluminized Steel Heat Exchangers - Limited **twenty year** warranty in residential applications, ten years in non-residential applications.

All other covered components - Limited **five year** warranty in residential applications and one year in non-residential applications.

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

APPROVALS

Units certified by CSA International and ratings are certified by GAMA.

Units tested and rated according to US DOE test procedures and FTC labeling regulations.

Approved by California Energy Commission and meet California Seasonal Efficiency requirements and California Nitrogen Oxides (NO_x) Standards.

"X" models meet California Nitrogen Oxides (NO_x) Standards.

Blower data from unit tests conducted in Lennox Laboratory air test chamber.

ISO 9001 Registered Manufacturing Quality System.

APPLICATIONS

Input capacities (high fire) of 66,000, 88,000, 110,000 and 132,000 Btuh.

Energy efficiency (AFUE) of 80%.

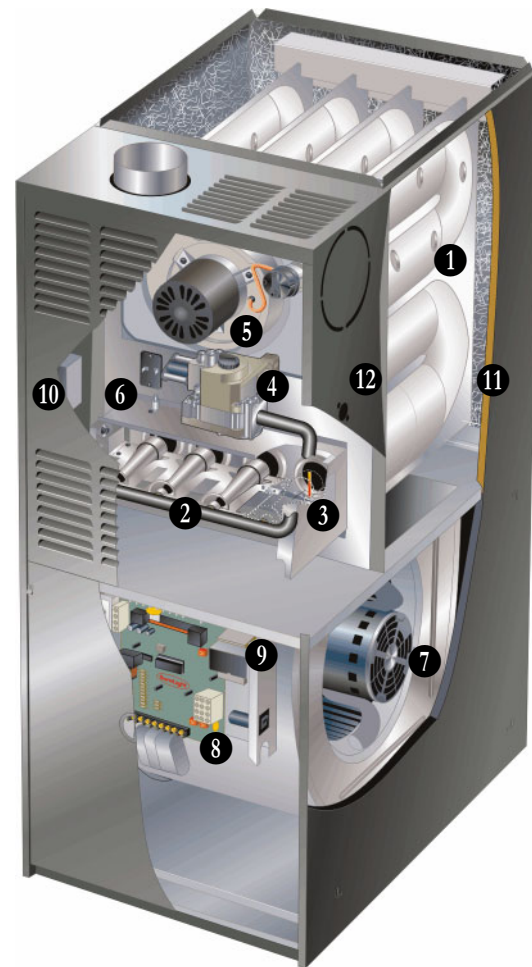
Utility room, alcove, closet, crawl space or attic installation.

Lennox add-on indoor coils, electronic air cleaners and humidifiers can easily be added to furnace.

Shipped factory assembled with all controls installed and wired.

Ready for installation in up-flow or horizontal left or right hand position without any modifications. Removeable bottom seal panel shipped in place for side return air is easily removed for bottom/end return air applications.

Each unit factory test operated to ensure proper operation.



HEATING SYSTEM

- 1 Lennox Duralok® Aluminized Steel Heat Exchanger**
Heavy gauge aluminized steel heat exchanger. Crimped seam clamshell type design. Designed for normal expansion and contraction. Minimum resistance to air flow. Heat exchanger has been laboratory life cycle tested
- 2 Inshot Burners**
Aluminized steel inshot burners. Burner venturi mixes air and gas in correct proportion for proper combustion. Burner assembly is removeable from the unit as a single component for servicing.
- 3 SureLight® Hot Surface Ignitor**
Tough, reliable, long-life, trouble-free performance. Tungsten heater element sandwiched between two plates of silicon nitride. Cemented to steatite block for protection against current leakage. Ignition leads constructed of nickel plated copper enclosed in high temperature Teflon insulation for dependable operation. No electrical noise.
- 4 Two-Stage Gas Control Valve**
24 volt redundant combination two stage gas control valve combines manual shut off valve (On-Off), automatic electric valve (dual) and gas pressure regulation into a compact combination control.

FEATURES

HEATING SYSTEM - CONTINUED

- 5 Combustion Air Inducer**
Shaded pole heavy duty blower prepurges heat exchanger and safely vents flue products. Pressure switch proves blower operation before allowing gas valve to open. Operates only during heating cycle. Direct access allows inducer assembly to be rotated 90° clockwise or counterclockwise to facilitate easy vent attachment in horizontal applications.
- 6 Limit Controls**
Automatic reset, primary and secondary limits are accurately located. Primary limit factory installed on vestibule panel on all units, secondary limit(s) factory installed on blower housing.

Flame Rollout Switches (2)

Manual reset.
Factory installed on burner box.
Switches provide protection from abnormal operating conditions.

OPTIONS

LPG/Propane Conversion Kit

Required for field changeover from natural gas to LPG/Propane.

Natural Gas Conversion Kit

Required for field changeover from LPG/Propane to natural gas.

High Altitude Orifice Kit - Natural Gas Only

Required for all natural gas models for proper unit operation at altitudes of 7501 to 10,000 feet.

High Altitude Pressure Switch Kit

Required on most units for proper unit operation at altitudes above 4,500 ft.

Vent Adaptor (Up-Flow Applications Only)

Allows venting through a masonry chimney without the need of a flue liner.

Manual reset temperature sensor protects against abnormal operating conditions - manual reset.

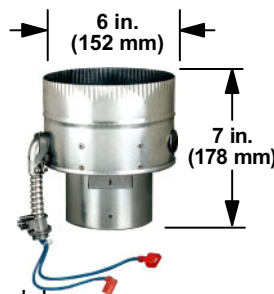
Sensor wiring may be routed from either side of adaptor.

Minimum winter design temperatures:

-10°F for -70, -90, and -135 models.

+5°F for -110 models.

Refer to Winter Design Temperatures Map on next page for application information. Also refer to the installation instructions for detailed information.



BLOWER

- 7 Multi-speed direct drive blower.**
Statically and dynamically balanced.
Resiliently mounted.
Blower assembly easily removed for servicing.
Blower speeds are easily changed on the integrated furnace control board. See blower performance tables.

CONTROLS

8 SureLight® Integrated Two-Stage Furnace Control Board

Solid-state board contains all necessary controls and relays to operate furnace.

Combustion air inducer is controlled by board. Prior to ignition, a pre-purge cycle for 15 seconds is initiated. After the main burners are turned off, a post-purge cycle for 5 seconds is run.

Adaptive technology of ignition control board continuously monitors and adjusts the ignitor power to operate at minimum ignitor temperature required for ignition, prolonging ignitor life.

Electronic flame sensor control assures safe and reliable operation.

Should loss of flame occur, flame sensor controls will initiate 5 attempts at re-ignition before locking out unit operation for 60 minutes.

Watchguard type circuit automatically resets ignition controls after one hour of continuous thermostat demand after unit lockout, eliminating nuisance calls for service. Jumper settings for single or two stage thermostat operation.

Two selectable 2nd stage recognition times (10 and 15 minutes) are available on the board when the furnace is used with a single stage thermostat. When used with a two stage thermostat, furnace will only initiate second stage operation with a second stage thermostat demand.

Fan control consists of adjustable blower timed-off delay (60, 90, 120, 180 seconds - factory setting 90 seconds) and fixed blower timed-on delay (45 seconds).

For air-conditioning applications, blower is automatically energized on thermostat demand for cooling. Adjustable blower timed-off delay in cooling mode (2 or 45 seconds - factory setting 45 seconds).

Terminal for continuous low speed blower operation.

Two accessory terminals furnished for additional power supply requirements for 120 volt (less than 1 amp) power humidifiers and powered air cleaners.

Ignition control has two LED's to indicate status and as an aid in troubleshooting.

9 24 Volt Transformer

Furnished and factory installed in control box.

40VA transformer has circuit breaker wired in series.

10 Field Wiring Make-up Box

Furnished for line voltage wiring.

Factory installed internally on left side of furnace.

Box may be installed internally or externally on either side of furnace.

OPTIONS

Thermostat

See Thermostat bulletins in Controls section and Lennox Price Book for a complete list of thermostats.

COIL MATCH-UP

All furnaces exactly match C33 and CX34 cased up-flow and CH33 cased horizontal evaporator coils with same letter designation in model number. No adaptor required. Engaging holes furnished on cabinet for alignment.

C33 uncased coils match furnaces without any overhang but require an optional adaptor base or field fabricated transition to match furnace opening. See C33 coil bulletin for additional information.

FEATURES

CABINET

Low profile, narrow width cabinet allows easy installation. Heavy gauge cold rolled steel constructed.

Pre-painted cabinet finish.

Flue outlet on top of cabinet for up-flow applications, can be relocated to either side of cabinet for horizontal applications.

Flanges provided on supply air opening for ease of plenum connection or alignment with evaporator coil.

Return Air Entry:

Bottom/end entry for up-flow/horizontal applications - remove furnished bottom seal panel from cabinet.

Side return air entry for up-flow applications - corners are marked on either side of cabinet for return air cut-outs. See dimension drawings.

NOTE - 60C and 60D size units that require air volumes over 1800 cfm must have one of the following:

1. Single side return air with transition, to accommodate 20 x 25 x 1 in. air filter. Required to maintain proper air velocity.
2. Single side return air with optional RAB Return Air Base
3. Bottom return air.
4. Return air from both sides.
5. Bottom and one side return air.

See Blower Performance Tables for additional information.

- 11 Fully insulated cabinet with foil faced insulation on sides and back of heating compartment and mat faced insulation in blower compartment.

Complete service access.

Safety interlock switch automatically shuts off power to unit when blower compartment access door is removed.

- 12 Gas piping and electrical inlets are provided in both sides of cabinet.

OPTIONS

Horizontal Support Frame Kit

Provides support of unit in horizontal applications.

Consists of (2) 1 x 1-1/2 x 32-5/8 in. and (2) 1 x 3 x 53-7/8 in. painted heavy gauge cold rolled steel support channels with assembly and suspending holes.

Bolts and nuts furnished for field assembly.

Suspending rods must be field provided.

RAB Return Air Base

Required with 60C and 60D models with air volumes over 1800 cfm in up-flow applications when only one side return is used.

Cabinet is pre-painted steel to match the furnace.

See Dimension Drawing.

FILTER (NOT FURNISHED)

Filter and provisions for external mounting must be field provided.

OPTIONS

Air Filter and Rack Kit for Horizontal Return Air (End) Applications

Washable or vacuum cleanable polyurethane frame type filter and external end return air rack available for field installation.

Rack has filter door for easy filter servicing.

Flanges on rack allow easy duct connection.

See dimension drawing.

Air Filter and Rack Kit for Up-Flow Side Return Air Applications - Not for use with RAB Return Air Base

Washable or vacuum cleanable polyurethane frame type filter and external side return air rack available for field installation.

Available in single and ten pack kits.

Rack has filter door for easy filter servicing.

Flanges on rack allow easy duct connection.

Field installs on either side of unit cabinet. See dimension drawing.

EZ Filter Base for Up-Flow Bottom Return Air Applications

Hinged door with thumbscrew for easy filter access.

Uses standard size filters (field provided).

INSTALLATION CLEARANCES

UP-FLOW POSITION

Vent Type	Type "B1"	Type "C"
Sides	0 in. (0 mm)	¹ 0 in. (0 mm)
Rear	0 in. (0 mm)	0 in. (0 mm)
Top	1 in. (25 mm)	1 in. (25 mm)
Front	3 in. (76 mm)	3 in. (76 mm)
Front (service/alcove)	24 in. (610 mm)	24 in. (610 mm)
Floor	Combustible	Combustible
Flue	1 in. (25 mm)	6 in. (152 mm)

NOTE - Air for combustion must conform to the methods outlined in the National Fuel Gas Code (NFPA 54/ANSI-Z223.1) or the National Standard of Canada CAN/CSA-B149.1 "Natural Gas and Propane Installation Code".

NOTE - In the U.S. flue sizing must conform to the methods outlined in the current National Fuel Gas Code (NFPA 54/ANSI-Z223.1) or applicable provisions of local building codes. In Canada flue sizing must conform to the methods outlined in National Standard of Canada CAN/CSA-B149.1.

¹ Left side requires 4 in. if single wall vent is used on 14-1/2 in. cabinets, 2 in. on 17-1/2 in. cabinets.

HORIZONTAL POSITION

Vent Type	Type "B1"	Type "C"
¹ Ends	¹ 2 in. (51 mm)	¹ 2 in. (51 mm)
Rear	0 in. (0 mm)	0 in. (0 mm)
¹ Top	¹ 0 in. (0 mm)	¹ 0 in. (0 mm)
Front	3 in. (76 mm)	3 in. (76 mm)
Front (service)	24 in. (610 mm)	24 in. (610 mm)
Floor	0 in. (0 mm)	0 in. (0 mm)
Flue	1 in. (25 mm)	6 in. (152 mm)

NOTE - Air for combustion must conform to the methods outlined in the National Fuel Gas Code (NFPA 54/ANSI-Z223.1) or the National Standard of Canada CAN/CSA-B149.1 "Natural Gas and Propane Installation Code".

NOTE - In the U.S. flue sizing must conform to the methods outlined in the current National Fuel Gas Code (NFPA 54/ANSI-Z223.1) or applicable provisions of local building codes. In Canada flue sizing must conform to the methods outlined in National Standard of Canada CAN/CSA-B149.1.

¹ Line contact installation permissible between jacket top or sides and building joists.

SPECIFICATIONS

Gas Heating Performance	Model No. Low NOx Model No.	G60UH-24A-070	G60UH-36A-070	G60UH-36B-090	G60UH-48B-090
		---	G60UH-36A-070X	---	G60UH-48B-090X
High Fire	Input - Btuh	66,000	66,000	88,000	88,000
	Output - Btuh	54,000	54,000	72,000	72,000
	Temperature rise range - °F	40 - 70	40 - 70	40 - 70	35 - 65
	Gas Manifold Pressure (in. w.g.) - Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	45,000	45,000	60,000	60,000
	Output - Btuh	36,000	36,000	48,000	48,000
	Temperature rise range - °F	20 - 50	20 - 50	20 - 50	15 - 45
	Gas Manifold Pressure (in. w.g.) - Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
	¹ AFUE	80.0%	80.0%	80.0%	80.0%
	California Seasonal Efficiency	74.2%	73.9%	73.8%	74.6%
	High static (CSA) - in. w.g.	.50	.50	.50	.50
Connections in.	Flue connection - round	4	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 7	10 x 8	10 x 8	10 x 10
	Motor output - hp	1/5	1/3	1/3	1/2
	Tons of add-on cooling	1.5 - 2	1.5 - 3	2 - 3	3 - 4
Shipping Data	lbs. - 1 package	127	132	146	153
Electrical characteristics		120 volts - 60 hertz - 1 phase (less than 12 amps)			

SPECIFICATIONS

Gas Heating Performance	Model No. Low NOx Model No.	G60UH-36C-110	G60UH-48C-110	---	G60UH-60D-135
		---	---	² G60UH-60C-110X	---
High Fire	Input - Btuh	110,000	110,000	110,000	132,000
	Output - Btuh	89,000	90,000	90,000	108,000
	Temperature rise range - °F	50 - 80	40 - 70	35 - 65	45 - 75
	Gas Manifold Pressure (in. w.g.) - Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	75,000	75,000	75,000	90,000
	Output - Btuh	61,000	61,000	61,000	73,000
	Temperature rise range - °F	25 - 55	20 - 50	20 - 50	25 - 55
	Gas Manifold Pressure (in. w.g.) - Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
	¹ AFUE	80.0%	80.0%	80.0%	80.0%
	California Seasonal Efficiency	74.2%	75.0%	73.9%	74.9%
	High static (CSA) - in. w.g.	.50	.50	.50	.50
Connections in.	Flue connection - round	4	4	4	2 4
	Gas pipe size IPS	1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 10	11-1/2 x 10	11-1/2 x 10
	Motor output - hp	1/3	1/2	1	1
	Tons of add-on cooling	2 - 3	2.5 - 4	4 - 5	4 - 5
Shipping Data	lbs. - 1 package	166	169	175	195
Electrical characteristics		120 volts - 60 hertz - 1 phase (less than 12 amps)			

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

² This low NO_x model may also be used in standard applications.

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

			"A" Width Models	"B" Width Models	"C" Width Models	"D" Width Models
FILTER KITS						
¹ Air Filter and Rack Kit	Horizontal (end)	Catalog No.	87L95	87L96	87L97	87L98
		Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25x25 x 1
	Side Return	Single	44J22	44J22	44J22	44J22
		Ten Pack	66K63	66K63	66K63	66K63
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
EZ Filter Base Up-Flow Only		Catalog No.	73P55	73P56	73P57	73P58
		Size of field provided filter - in.	14 x 25 x 1	16 x 25 x 1	20 x 25 x 1	24 x 24 x 1
CABINET ACCESSORIES						
Horizontal Support Frame Kit - Horizontal Only			56J18	56J18	56J18	56J18
Return Air Base - Up-Flow Only			- - -	98M60	98M58	98M59
VENTING						
Vent Adaptor - 6 in. conn. size up-flow applications only			18M79	18M79	18M79	18M79

¹ Cleanable polyurethane frame type filter.

GAS HEAT ACCESSORIES

Input	High Altitude Orifice Kit Natural Gas	High Altitude Pressure Switch Kit - Order two each	LPG/Propane Kit		LPG/Propane to Natural Gas Kit	
	7501-10,000 ft.	7501-10,000 ft.	0-7500 ft.	7501-10,000 ft.	0-7500 ft.	¹ 7501-10,000 ft.
-all models	44W51	18M64	44W48	44W50	44W49	44W49 + 44W51

¹ High Altitude Orifice Kit is required and must be ordered separately for applications from 7501 to 10,000 ft.

99% WINTER DESIGN TEMPERATURES FOR THE CONTIGUOUS UNITED STATES



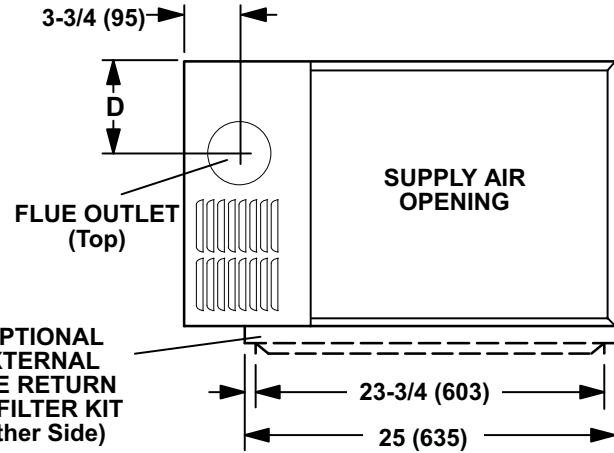
This map is a necessarily generalized guide to temperatures in the contiguous United States. Temperatures shown for areas such as mountainous regions and large urban centers may not be accurate. The data used to develop this map was taken from the 1993 ASHRAE Fundamentals Handbook (Chapter 24, Table 1: Climate Conditions for the United States). Reprinted with permission from NFPA 54: *National Fuel Gas Code* ©1999, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association on the referenced subject, which is represented only by the standard in its entirety.

DIMENSIONS - INCHES (MM) - UP-FLOW POSITION

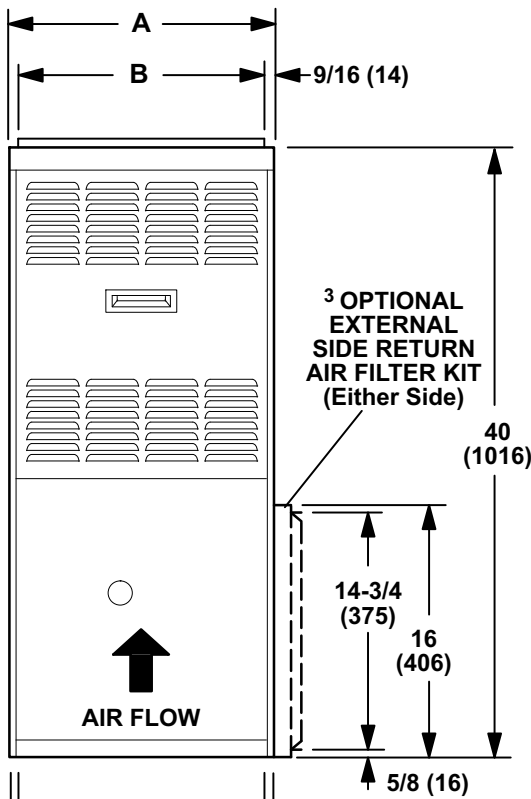
¹ NOTE - 60C and 60D size units that require air volumes over 1800 cfm (850 L/s) must have one of the following:
 1. Single side return air with transition, to accommodate 20 x 25 x 1 in. (508 x 635 x 25 mm) air filter. Required to maintain proper air velocity across the filter.
 2. Single side return air with optional RAB Return Air Base
 3. Bottom return air.
 4. Return air from both sides.
 5. Bottom and one side return air.
 See Blower Performance Tables for additional information.

² Flue outlet may be horizontal but furnace must be vented vertically

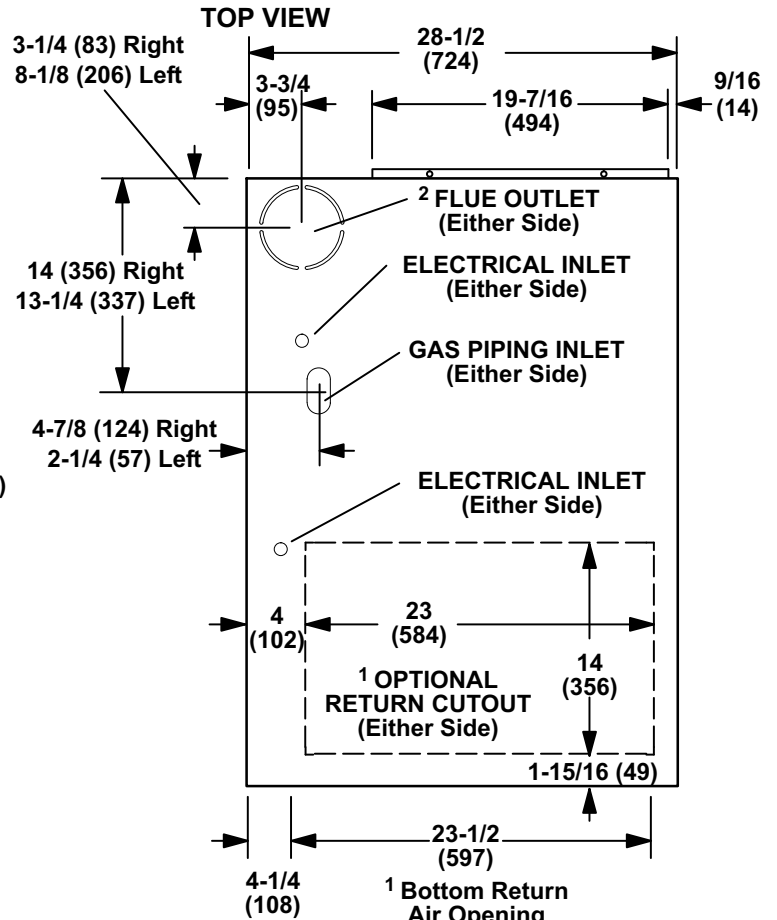
³ Optional External Side Return Air Filter Kit is not for use with the optional RAB Return Air Base.



TOP VIEW



¹ Bottom Return Air Opening
FRONT VIEW



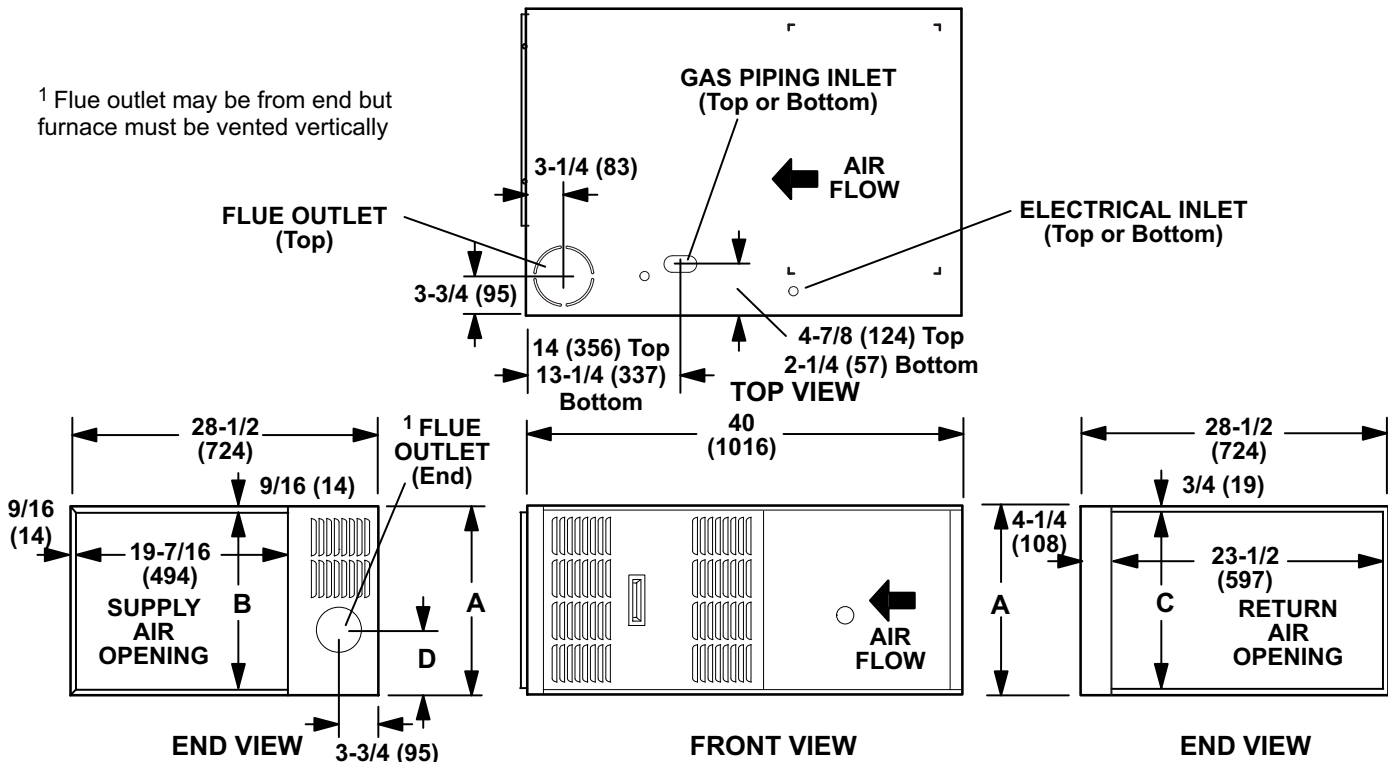
¹ Bottom Return Air Opening
SIDE VIEW

Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
G60UH-24A-070 G60UH-36A-070	14-1/2	368	13-3/8	340	13	330	4-1/2	114
G60UH-36B-090 G60UH-48B-090	17-1/2	446	16-3/8	416	16	406	6	152
G60UH-36C-110 G60UH-48C-110 G60UH-60C-110X	21	533	19-7/8	504	19-1/2	495	7-3/4	197
G60UH-60D-135	24-1/2	622	23-3/8	546	23	584	9-1/2	241

DIMENSIONS - INCHES (MM) - HORIZONTAL POSITION

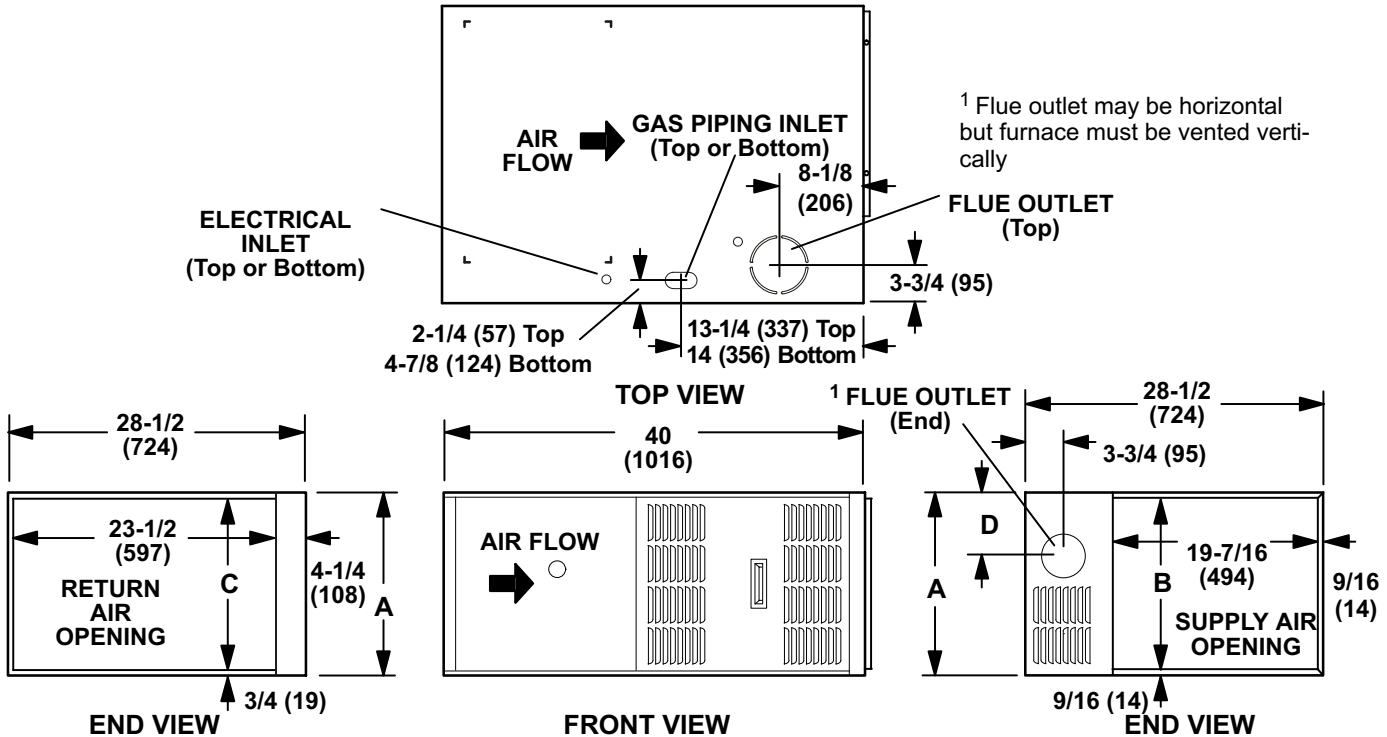
LEFT-HAND AIR DISCHARGE

¹ Flue outlet may be from end but furnace must be vented vertically



RIGHT-HAND AIR DISCHARGE

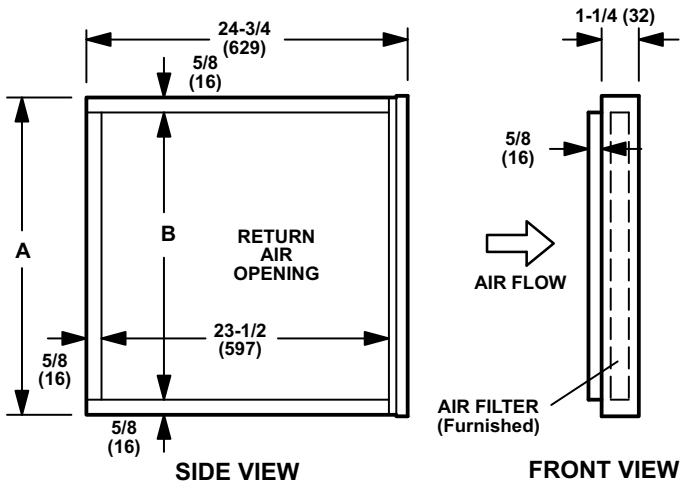
¹ Flue outlet may be horizontal but furnace must be vented vertically



Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
G60UH-24A-070 G60UH-36A-070	14-1/2	368	13-3/8	340	13	330	4-1/2	114
G60UH-36B-090 G60UH-48B-090	17-1/2	446	16-3/8	416	16	406	6	152
G60UH-36C-110 G60UH-48C-110 G60UH-60C-110X	21	533	19-7/8	504	19-1/2	495	7-3/4	197
G60UH-60D-135	24-1/2	622	23-3/8	546	23	584	9-1/2	241

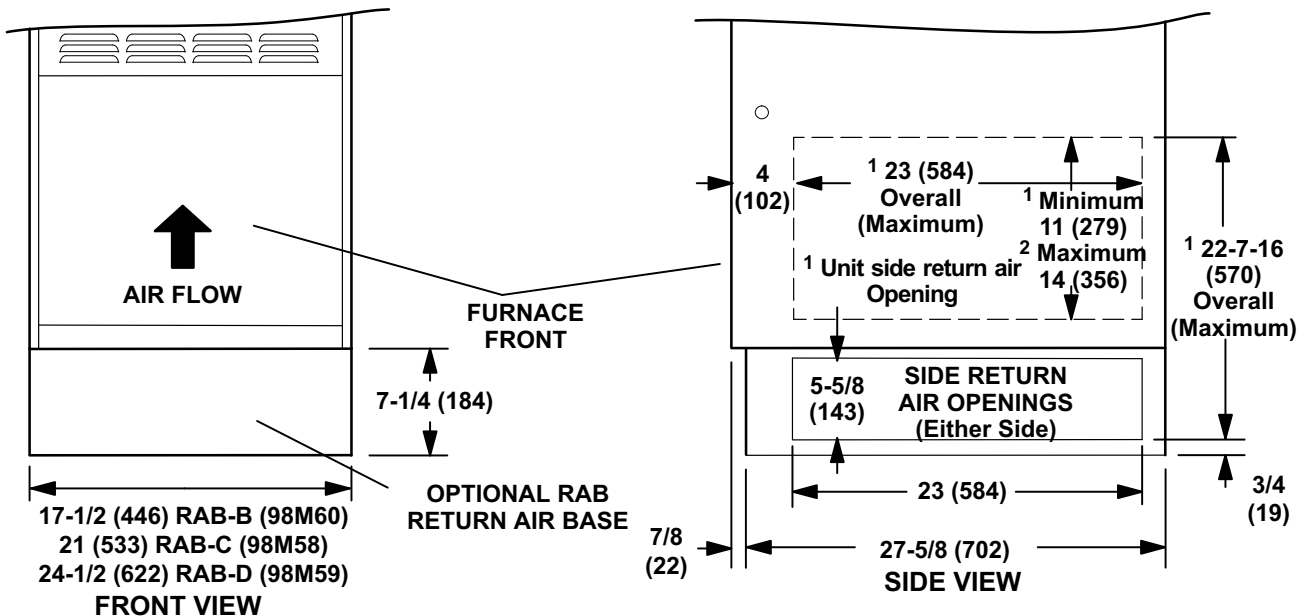
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

HORIZONTAL FILTER KIT



Catalog Number	A		B	
	inch	mm	inch	mm
87L95	14	356	12-3/4	324
87L96	18	457	16-3/4	425
87L97	21	533	18-3/4	476
87L98	25	635	23-3/4	603

RAB RETURN AIR BASE (Up-Flow Applications Only) For use with B, C, and D size furnaces only



NOTE- Optional Side Return Air Filter Kits are not for use with RAB Return Air Base.

¹ Both the unit return air opening and the base return air opening must be covered by a single plenum or IAQ cabinet.

Minimum unit side return air opening dimensions for units requiring 1800 cfm or more of air (W x H): 23 x 11 in. (584 x 279 mm).

The opening can be cut as needed to accommodate plenum or IAQ cabinet while maintaining dimensions shown.

Side return air openings must be cut in the field. There are cutting guides stenciled on the cabinet for the side return air opening. The size of the opening must not extend beyond the markings on the furnace cabinet.

² To minimize pressure drop, the largest opening height possible (up to 14 inches) is preferred.

NOTE- Optional Side Return Air Filter Kits are not for use with RAB Return Air Base.

FILTER AIR RESISTANCE

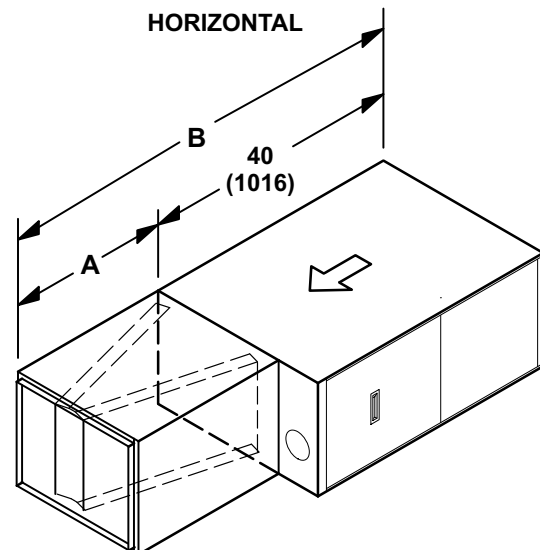
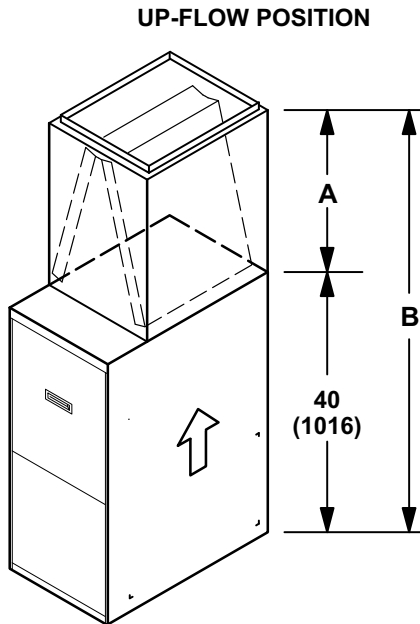
For 1 Inch Filter (Field Provided)

cfm	in. w.g.
0	0.00
200	0.01
400	0.03
600	0.04
800	0.06
1000	0.09
1200	0.12

cfm	in. w.g.
1400	0.15
1600	0.19
1800	0.23
2000	0.27
2200	0.33
2400	0.38
2600	0.44

DIMENSIONS - INCHES (MM) - FURNACE/COIL COMBINATIONS

Model No	Cased				Uncased (CX34 - cased only)				
	A		B		A		B		
	in.	mm	in.	mm	in.	mm	in.	mm	
C33-18A	12-1/2	318	52-1/2	1334	9-3/4	248	49-3/4	1264	
CX34-19A-6F	16-1/2	419	56-1/2	1435	9-3/4	248	49-3/4	1264	
C33-24A	16-1/2	419	56-1/2	1435	14	356	54	1372	
CX34-18/24A-6F	16-1/2	419	56-1/2	1435	13-7/8	352	53-7/8	1368	
CX34-18/24B-6F									
CX34-18/24C-6F									
C33-24B	16-1/2	419	56-1/2	1435	13-7/8	352	53-7/8	1368	
C33-24C	16-1/2	419	56-1/2	1435	13-7/8	352	53-7/8	1368	
CX34-25A-6F	C33-25A	18-1/2	470	58-1/2	1486	16-1/4	413	56-1/4	1429
CX34-25B-6F	C33-25B	18-1/2	470	58-1/2	1486	15-7/8	403	55-7/8	1419
CX34-30B-6F	C33-30B	20-1/2	521	60-1/2	1537	17-3/4	451	59-3/4	1467
CX34-30C-6F	C33-30C	20-1/2	521	60-1/2	1537	17-3/4	451	59-3/4	1467
CX34-30A-6F	C33-30A	20-1/2	521	60-1/2	1537	18	457	58	1473
CX34-31A-6F	C33-31A	22-1/2	572	62-1/2	1588	21-1/4	540	61-1/4	1556
CX34-31B-6F	C33-31B	22-1/2	572	62-1/2	1588	20-1/4	514	60-1/4	1530
CX34-36A-6F	C33-36A	24-1/2	622	64-1/2	1638	22-1/8	562	62-1/8	1578
CX34-36B-6F	C33-36B	24-1/2	622	64-1/2	1638	21-7/8	556	61-7/8	1572
CX34-36C-6F	C33-36C	24-1/2	622	64-1/2	1638	21-1/4	540	61-1/4	1556
CX34-38A-6F	C33-38A	24-1/2	622	64-1/2	1638	22-1/4	565	62-1/4	1581
CX34-38B-6F	C33-38B	24-1/2	622	64-1/2	1638	22	559	62	1575
CX34-42B-6F	C33-42B	24-1/2	622	64-1/2	1638	21-7/8	556	61-7/8	1572
CX34-43B-6F	C33-43B	27-1/2	699	67-1/2	1715	26-1/4	667	66-1/4	1683
CX34-43C-6F	C33-43C	27-1/2	699	67-1/2	1715	25-3/4	654	65-3/4	1670
C33-44C	24-1/2	622	64-1/2	1638	21-1/2	546	61-1/2	1562	
CX34-44/48B-6F	C33-48B	24-1/2	622	64-1/2	1638	22-1/8	562	62-1/8	1578
CX34-44/48C-6F	C33-48C	24-1/2	622	64-1/2	1638	21-1/2	546	61-1/2	1562
CX34-49C-6F	C33-49C	30-1/2	775	70-1/2	1791	28-1/2	724	68-1/2	1740
CX34-50/60C-6F	C33-50/60C	27-1/2	699	67-1/2	1715	24-3/4	629	64-3/4	1645
CX34-60D-6F	C33-60D	25-1/2	648	65-1/2	1664	24-3/4	629	64-3/4	1645
CX34-62C-6F	C33-62C	31-1/2	800	71-1/2	1816	30-5/8	778	70-5/8	1793
CX34-62D-6F	C33-62D	29-1/2	749	69-1/2	1765	28-3/4	730	68-3/4	1746



Model Number	A		B	
	in.	mm	in.	mm
CH33-18A-2F	21-1/2	546	61-1/2	1562
CH33-24/30A-2F	26-1/2	673	66-1/2	1689
CH33-36A-2F				
CH33-36B-2F				
CH33-36C-2F				
CH33-44/48B-2F	31-1/2	800	71-1/2	1816
CH33-50/60C-2F				

BLOWER/WATTS DATA

NOTES - All air data is measured external to unit with 1 in. cleanable filter (not furnished - field provided) in place. Also see Filter Air Resistance table.
Air volume based on bottom air return air. Actual air volume may vary on side return air applications.

G60UH-24A-070 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds					
	High		Medium		Low	
	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1075	445	905	375	730	290
0.05	1070	445	900	375	725	290
0.10	1065	440	895	370	720	285
0.15	1060	435	890	365	715	285
0.20	1055	430	885	360	710	280
0.25	1045	425	880	360	700	280
0.30	1030	415	875	355	690	270
0.40	1010	400	860	350	675	270
0.50	975	390	840	340	660	265
0.60	940	375	805	325	640	255
0.70	890	360	755	305	605	240
0.80	830	340	700	285	565	225
0.90	765	305	640	265	515	205

G60UH-36A-070 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds							
	High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1500	705	1290	565	985	455	830	375
0.05	1475	695	1275	555	980	445	820	365
0.10	1450	680	1255	545	970	440	810	360
0.15	1425	670	1240	535	965	430	805	355
0.20	1400	655	1225	525	955	425	795	350
0.25	1370	645	1205	510	945	415	790	345
0.30	1340	630	1180	500	930	405	780	335
0.40	1285	610	1140	475	900	390	745	325
0.50	1215	580	1080	450	865	375	705	310
0.60	1150	560	1015	430	810	355	655	290
0.70	1060	535	940	405	730	330	585	270
0.80	955	515	800	370	655	305	480	260
0.90	785	475	605	325	585	270	410	255

G60UH-36B-090 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds							
	High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1500	720	1255	595	1040	460	900	370
0.05	1485	705	1250	580	1040	450	895	365
0.10	1465	685	1240	570	1035	445	890	360
0.15	1450	675	1235	555	1035	440	885	355
0.20	1435	660	1225	545	1030	435	880	350
0.25	1420	645	1215	530	1025	425	875	345
0.30	1400	630	1200	520	1020	415	870	340
0.40	1345	595	1170	495	1000	400	855	330
0.50	1300	575	1135	475	965	380	830	300
0.60	1235	545	1080	445	930	360	780	290
0.70	1165	510	1020	415	870	340	740	280
0.80	1080	480	940	385	800	315	670	260
0.90	985	445	840	355	710	290	600	245

G60UH-36C-110 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds							
	High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1555	715	1335	575	1085	460	925	365
0.05	1540	705	1330	555	1080	450	920	360
0.10	1525	690	1320	545	1075	440	915	355
0.15	1510	680	1310	535	1070	430	910	350
0.20	1490	670	1295	525	1065	420	900	340
0.25	1465	655	1280	510	1060	415	890	335
0.30	1440	645	1260	495	1050	405	880	330
0.40	1385	615	1230	485	1030	390	865	320
0.50	1320	590	1190	460	995	375	835	300
0.60	1260	570	1135	430	960	355	815	295
0.70	1190	545	1075	410	915	345	775	285
0.80	1090	515	970	385	860	325	760	280
0.90	975	485	880	360	790	305	705	275

G60UH-48B-090 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds							
	High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1970	790	1810	735	1585	670	1340	565
0.05	1940	780	1785	715	1580	650	1335	555
0.10	1915	765	1760	695	1570	630	1325	540
0.15	1880	745	1730	660	1560	615	1325	530
0.20	1840	730	1700	620	1545	600	1320	520
0.25	1805	715	1670	625	1520	585	1310	510
0.30	1765	695	1640	625	1490	565	1295	500
0.40	1695	670	1570	595	1440	540	1260	480
0.50	1600	635	1490	560	1360	505	1195	450
0.60	1505	600	1400	530	1285	480	1140	425
0.70	1395	565	1265	485	1170	440	990	380
0.80	1250	520	1100	445	975	390	905	355
0.90	1005	460	870	385	900	365	810	325

G60UH-48C-110 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds							
	High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	2015	895	1620	780	1340	640	1150	525
0.05	1990	870	1615	760	1340	640	1150	525
0.10	1965	850	1610	745	1340	640	1150	525
0.15	1930	825	1605	725	1335	630	1150	525
0.20	1895	805	1600	710	1335	615	1150	525
0.25	1860	785	1590	695	1330	605	1150	520
0.30	1820	765	1580	675	1330	590	1145	515
0.40	1740	725	1530	635	1320	560	1140	490
0.50	1665	695	1475	600	1285	525	1120	470
0.60	1575	650	1405	555	1230	490	1075	445
0.70	1475	610	1310	515	1165	470	1015	415
0.80	1350	560	1210	485	1080	430	930	380
0.90	1210	520	1070	430	870	365	740	325

BLOWER/WATTS DATA

G60UH-60C-100X PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Different Blower Speeds															
	Bottom Return Air, Side Return Air with Optional RAB Return Air Base, Return Air from Both Sides or Return Air from Bottom and One Side.						Single Side Return Air - Air volumes in bold require field fabricated transition to accommodate 20 x 25 x 1 in. air filter in order to maintain proper air velocity.									
	High		Medium-High		Medium-Low		Low		High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
.00	2555	1378	2300	1027	1985	863	1655	678	2385	1296	2185	981	1915	836	1650	686
.10	2490	1354	2265	1002	1980	839	1640	667	2330	1274	2150	961	1900	815	1635	677
.20	2420	1330	2225	980	1975	832	1635	660	2255	1234	2095	930	1885	794	1625	664
.30	2355	1300	2175	957	1945	810	1625	653	2190	1207	2035	902	1855	769	1620	651
.40	2275	1265	2115	934	1915	785	1620	639	2115	1179	1970	876	1820	751	1605	639
.50	2175	1229	2040	903	1860	762	1595	623	2055	1156	1905	853	1760	725	1575	622
.60	2085	1199	1965	873	1800	733	1565	608	1985	1141	1830	827	1705	704	1525	602
.70	1990	1140	1870	843	1730	714	1525	590	1910	1119	1745	797	1635	680	1475	582
.80	1890	1105	1770	807	1630	676	1455	567	1810	1088	1650	772	1560	659	1430	571
.90	1760	1067	1655	777	1535	649	1370	541	1715	1058	1570	751	1485	638	1355	549

NOTE - All air data is measured external to unit with 1 in. (25 mm) cleanable filter (not furnished - field provided) in place. Also see Filter Air Resistance table.

G60UH-60D-135 PERFORMANCE

External Static Pressure in. w.g.	Air Volume / Watts at Different Blower Speeds															
	Bottom Return Air, Side Return Air with Optional RAB Return Air Base, Return Air from Both Sides or Return Air from Bottom and One Side.						Single Side Return Air - Air volumes in bold require field fabricated transition to accommodate 20 x 25 x 1 in. air filter in order to maintain proper air velocity.									
	High		Medium-High		Medium-Low		Low		High		Medium-High		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
.00	2715	1407	2255	1070	1910	850	1660	674	2455	1336	2170	1019	1850	829	1555	673
.10	2640	1403	2250	1030	1900	834	1645	668	2380	1299	2140	974	1840	812	1550	664
.20	2540	1355	2245	1006	1890	821	1630	665	2305	1266	2105	947	1830	791	1545	656
.30	2480	1319	2200	975	1890	781	1625	656	2235	1234	2045	914	1820	774	1540	642
.40	2390	1282	2155	940	1885	775	1615	642	2160	1240	1985	886	1800	755	1540	628
.50	2320	1251	2085	904	1860	758	1605	631	2065	1170	1925	863	1745	726	1535	614
.60	2205	1210	2020	876	1815	731	1595	611	1990	1146	1870	844	1700	706	1505	599
.70	2080	1161	1935	839	1760	707	1545	588	1895	1111	1775	808	1655	689	1465	573
.80	2010	1122	1855	810	1690	679	1495	568	1805	1074	1680	779	1565	656	1425	562
.90	1880	1071	1755	781	1585	646	1430	545	1695	1042	1590	752	1480	630	1335	533

NOTE - All air data is measured external to unit with 1 in. (25 mm) cleanable filter (not furnished - field provided) in place. Also see Filter Air Resistance table.



REVISIONS

Sections	Description of Change
Optional Accessories Table/ Gas Heating Accessories	Updated High Altitude Pressure Switch Kits, High Altitude Orifice Kits, Natural to LPG Conversion Kits and LPG to Natural Conversion Kits
Dimensions	Changed height on cased, CX34-19A, CX34-25A/B, CX34-31A/B, CX34-43B/C, CX34-62C



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