



GAS FURNACES

EL195UHE

ELITE® SERIES

Upflow / Horizontal - High Efficiency Blower Motor

PRODUCT SPECIFICATIONS

Bulletin No. 210615
December 2015
Supersedes October 2015



AFUE - 95%

Input - 30,000 to 132,000 Btuh

Nominal Add-on Cooling - 1.5 to 5 Tons

MODEL NUMBER IDENTIFICATION

EL 1 95 UH 070 X E 36 B

Unit Type
EL = Elite® Series

Stages
1 = One-Stage

AFUE
95 = 95%

Configuration
UH = Upflow/Horizontal

Nominal Gas Heat Input
030 = 30,000 Btuh
045 = 44,000 Btuh
070 = 66,000 Btuh
090 = 88,000 Btuh
110 = 110,000 Btuh
135 = 132,000 Btuh

1 Cabinet Width
B = 17-1/2 in.
C = 21 in.
D = 24-1/2 in.

Nominal Add-On Cooling Capacity
24 = 2 tons
36 = 1.5-3 tons
48 = 2.5-4 tons
60 = 3-5 tons

Blower
E = High Efficiency Constant Torque Blower Motor

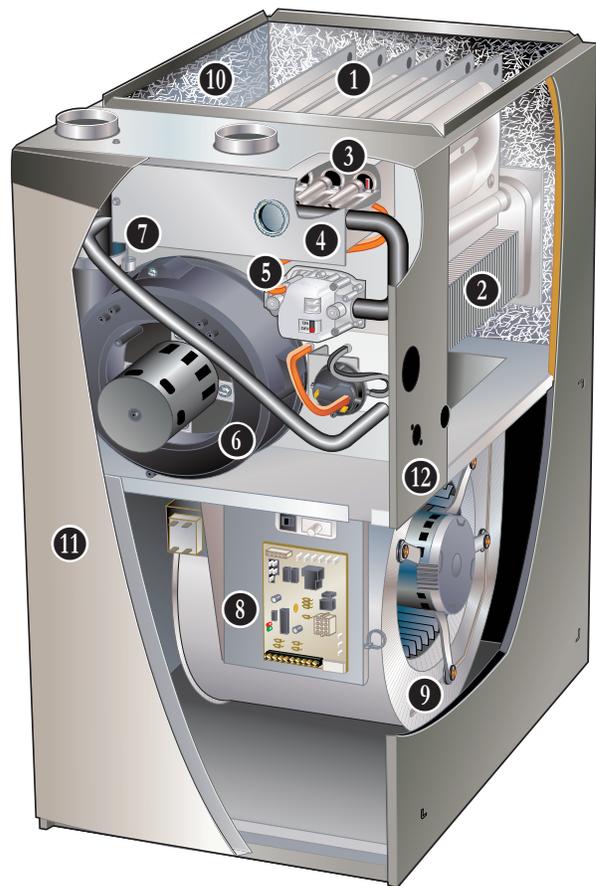
Low NO_x
X = Units meet California Nitrogen Oxides Standard (40ng/J)

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

FEATURES

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WARRANTY

Duralok Plus™ Aluminized Steel Heat Exchanger - Limited Lifetime warranty in residential applications (twenty-year transferable), ten years in non-residential applications.

All other covered components - Limited Five-Year warranty in residential applications, one year in non-residential applications.

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

APPROVALS

Units are certified by AHRI.

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

Approved by the California Energy Commission and meets California Nitrogen Oxides Standard (NOx) limits of 40 ng/J.

ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

ISO 9001 Registered Manufacturing Quality System.

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

APPLICATIONS

Input capacities of 30,000, 44,000, 66,000, 88,000, 110,000 and 132,000 Btuh.

Energy efficiency (AFUE) of 95%.

Compact cabinet for upflow, horizontal-left or horizontal-right applications without any modifications.

Removable bottom seal panel shipped in place for side return air is easily removed for bottom/end return air applications.

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

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

Shipped factory assembled with all controls installed and wired.

Each unit factory test operated to ensure proper operation.

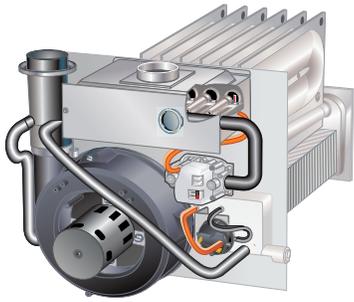
NOTE - FURNACES CANNOT BE TWINNED!

FEATURES

HEATING SYSTEM

1 Lennox Duralok Plus™ Heat Exchanger Assembly

Lennox developed heat exchanger assembly consists of primary heat exchanger and secondary condenser coil assembly.



Main multi-pass crimped seam design clamshell type heat exchanger.

Constructed of heavy-gauge, aluminized steel.

Designed for normal expansion and

contraction with maximum efficiency and minimum resistance to air flow.

2 Secondary heat exchanger condenser coil constructed of aluminum fins fitted to stainless steel tubes.

Coil is factory tested for leaks.

Condensate drain header box assembly located on front of coil.

Compact size of complete heat exchanger assembly permits low overall design of furnace cabinet.

Heat exchanger assembly has been laboratory life cycle tested in excess of industry standards.

Lennox Designed Header Box

Header box on end of condenser coil collects flue condensate for disposal through condensate drains.

The drains are located on each side of the cabinet for easy field installation of condensate drain trap.

Only one drain is used, the other drain is sealed.

Condensate drain trap is included with the unit for field installation.

Lennox Designed Flue Condensate Trap Assembly

Condensate trap assembly is mounted outside the conditioned air stream.

Assembly can be mounted on either side of cabinet in upflow applications. Assembly is mounted below the cabinet in horizontal applications. Can also be mounted remotely (up to 5 ft. away) from unit. See Installation Instructions.

90° street elbow furnished for ease of drain trap installation.

Drain connection can be made with field provided PVC pipe, PVC coupling, or vinyl tubing with hose clamp.

Drain cap on trap allows easy cleaning and winterizing.

3 Inshot Burners

Aluminized steel inshot burners provide efficient, trouble-free operation.

Burner venturi mixes air and gas in correct proportion for proper combustion.

Burner assembly is removable from the unit as a single component for ease of service.

4 SureLight® Hot Surface Ignitor

Tough, reliable, long-life, trouble-free performance.

Silicon nitride ignitor.

Cemented to steatite block for protection against current leakage.

Ignition leads are constructed of nickel-plated copper and are enclosed in high temperature Teflon® insulation for dependable operation.

5 Gas Control Valve

24 volt redundant combination gas control valve combines manual shut off switch (On-Off), automatic electric valve (dual) and gas pressure regulation into a compact combination control.

6 Combustion Air Inducer

Shaded pole heavy duty blower prepurges heat exchanger and safely vents flue products.

Operates only during heating cycle.

Pressure Switch

Proves Combustion Air Inducer operation before allowing gas valve to open.

7 Flame Rollout Switches (2)

Manual reset switches are factory installed in burner box.

Switch provides protection from abnormal operating conditions.

Limit Control

Automatic reset, primary limit is accurately located on vestibule panel on all units.

Optional Accessories

High Altitude Orifice Kits

Required on all units for proper unit operation at altitudes from 7501 to 10,000 ft.

Kits are available for natural gas and LPG/propane.

High Altitude Pressure Switch Kit

Required for proper unit operation on installations above 4500 ft.

Natural Gas to LPG/Propane Conversion Kit

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

LPG/Propane to Natural Gas Conversion Kit

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

FEATURES

DIRECT VENT / NON-DIRECT VENT SEALED COMBUSTION SYSTEM

Furnace features a “sealed combustion” system and can be installed in either Direct Vent or Non-Direct applications.

In Direct Vent applications, combustion air is supplied from outdoors and flue gases are discharged outdoors.

In Non-Direct Vent applications, combustion air is supplied from indoors and flue gases are discharged outdoors.

NOTE - Lennox has approved the use of DuraVent® PolyPro® and Centrotherm InnoFlue® manufactured vent pipe and terminations as an alternative to PVC vent pipe. Must be ordered separately.

Tested and listed to the ULC S636 standard in Canada.

The polypropylene venting system must follow the uninsulated and unconditioned space vent lengths listed in the table on Page 11.

Refer to the Installation Instructions for additional details.

Optional Accessories

Termination Kits

Facilitates installation of combustion air intake pipe and flue exhaust pipe.

Refer to venting table in this bulletin to determine pipe size needed and proper termination kit required.

See Optional Accessories table and dimension drawings.

Termination Kit - Concentric - Direct Vent Applications

2 or 3 inch kit contains concentric termination assembly, reducer bushing and 45 degree elbow.

2 inch kit for -030-045-070 models contains an outdoor exhaust accelerator.

Kit requires single hole penetration of roof or wall for installation.

Roof Termination Flashing Kit is available for use with 2 inch Kits.

CSA certified.

Termination Kit - Flush-Mount

Kit contains flush-mount termination, accelerator, mounting template and hardware.

Kit may be used with 2, 2-1/2 or 3 in. pipe.

Termination Kits - Wall Assembly

Close Couple (US Only) - Direct Vent Applications

2 or 3 inch kit consists of close-couple, side-by-side PVC piping with galvanized steel wall cover plate for sealing and isolating piping penetration of the wall.

Piping spacing and length is sized for proper wall installations.

CSA certified.

Close Couple WTK (Canada Only) - Direct Vent Applications

2 or 3 inch kit contains one insulated faceplate, one insulated exhaust pipe, elbow and fittings.

Wall Ring - Direct Vent or Non-Direct Vent Applications

2 inch kit contains 2 stainless steel outside seal caps, 2 galvanized steel inside seal caps, 4 seal rings for the caps and 18 inch insulation sleeve for sealing and isolating intake and exhaust piping penetration of wall.

Maintain a maximum of 6 inches between the inlet and outlet openings in the installation of the pipes.

Roof Termination Flashing Kit

3 inch kit contains two neoprene rubber roof flashings for vertical venting through a roof.

Vent pipe and insulation not furnished.

Flashing Kit can also be used with 2 inch Concentric Vent Termination Kits used in vertical venting rooftop applications.

8 **CONTROLS**

SureLight® Integrated Furnace Control

Contains all necessary controls and relays to operate furnace.

Combustion air inducer is operated by the integrated furnace control. 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.

Flame sensor assures safe and reliable operation.

Should loss of flame occur, the integrated furnace control will initiate 4 re-attempts at 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.

Fan control consists of adjustable blower timed-off delay (60, 90, 120, 180 seconds - factory setting 90 seconds) and fixed blower timed-on delay (30 seconds heating, 2 seconds cooling).

For air-conditioning applications, blower is automatically energized on thermostat demand for cooling.

Two accessory terminals furnished for additional power supply requirements for 120 volt (less than 1 amp) power humidifiers and powered air cleaners. One additional terminal is furnished for power supply requirements for 24V (less than 0.5 amp) low voltage accessories.

Ignition control has a single red LED to indicate status and as an aid in troubleshooting.

Last ten codes are stored in non-volatile memory (accessible by recall button on control) for servicing.

24 Volt Transformer

Furnished and factory installed in control box. 40VA transformer has circuit breaker wired in series.

FEATURES

CONTROLS (continued)

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.

Optional Accessories

Blower Relay Kit

(For Use With Two-Stage Outdoor Units)

Allows furnace blower speed changes when matched with two-stage air conditioners or heat pumps.

Thermostat

Thermostat (programmable/non-programmable) is not furnished with unit.

See Thermostat bulletins in Controls Section and Lennox Price Book for selection.

Night Service Kit

Contains most commonly used service parts:

- Furnace control
- Igniter
- Flame sensor
- Gas valve
- Transformer
- Service Manual

Universal Service Kit - Switches

Kit contains:

- Primary limits (for each model)
- Pressure switches (for each model)
- Flame rollout switches (for each model)

BLOWER

- 9 Direct drive blower.

Statically and dynamically balanced.

Resiliently mounted.

Blower assembly easily removed for servicing.

DC Brushless Motor

High Efficiency Constant Torque.

ECM (Electronically Commutated Motor).

Motor is programmed to provide constant torque at each of the selectable speeds.

Motor is controlled by the Integrated Furnace Control.

Blower speeds are easily changed on the integrated furnace control. See Blower Data tables.

CABINET

Low-profile, narrow width cabinet allows easy installation in upflow or horizontal applications.

Heavy-gauge, cold rolled steel construction.

Pre-painted cabinet finish.

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

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

Sealed blower compartment.

Inner blower compartment access panel seals blower compartment from air leakage.

- 11 Cabinet door can be removed without any tools.

Complete service access.

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

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

Return Air Entry:

For bottom/end return-air entry for upflow/horizontal applications, remove furnished bottom seal panel from cabinet.

For side return-air entry (upflow applications only), 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. cleanable air filter. Required to maintain proper air velocity.
2. Single side return air with Optional Return Air Base
3. Bottom return air.
4. Return air from both sides.
5. Bottom and one side return air.

See Blower Data Tables for additional information.

Coil Match-Up

All furnaces exactly match C33, C35, CX34 and CX35 cased upflow indoor coils and CH33 and CH35 horizontal indoor 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 (continued)

Low Leakage Cabinet

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010 "Method of Test for Determining the Air Tightness of HVAC Equipment".

Optional Accessories

Condensate Drain Heat Cable Kits

Self-limiting wattage heat cable prevents condensate drain from freezing in unconditioned areas.

Available in 6 or 24 ft. lengths.

Heat Cable Tape

66 ft. length, 1/2 in. wide fiberglass.

Horizontal Suspension Kit

Provides suspension of unit and indoor coil in horizontal applications.

Allows complete service access.

Consists of corner mounted hanging brackets with vibration isolators, return air end support rail and hardware for assembly.

Metal hanging straps must be field provided.

Crawl Space Vent Drain Kit

Allows venting through a crawl space for upflow and horizontal applications.

Includes 2 or 3 in. sanitary tee, 2 in. PVC assembly, PVC boot and clamp.

Return Air Base

On furnaces with side return air and condensate trap on the same side of the cabinet, a field fabricated transition or Return Air Base is required when using an IAQ product higher than 14-3/16 in. installed next to the unit and serviced from the front. IAQ products higher than 20 in. require a field fabricated transition.

Must be used for 60C and 60D models with air volumes over 1800 cfm in upflow applications when only one side return is required.

Cabinet is shipped flat for easy field assembly and is pre-painted steel to match the furnace.

See Dimension Drawing.

FILTER (not furnished)

Filter and provisions for external mounting must be field provided.

Optional Accessories

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 Upflow Side Return Air

Applications - Not for use with 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.

SPECIFICATIONS

Gas		Model No.	EL195UH030XE24B	EL195UH045XE24B	EL195UH045XE36B	EL195UH070XE36B
Heating Performance	¹ AFUE		95%	95%	95%	95%
	Input - Btuh		30,000	44,000	44,000	66,000
	Output - Btuh		28,000	42,000	42,000	63,000
	Temperature rise range - °F		30 - 60	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10	3.5 / 10	3.5 / 10	3.5 / 10
	High static - in. w.g.		0.5	0.5	0.5	0.5
Energy Star® Certified			Yes	Yes	Yes	Yes
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.		3/4	3/4	3/4	3/4
	with furnished 90° street elbow with field supplied (PVC coupling) - o.d.		3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	10 x 8	10 x 8	10 x 8
	Motor Type		DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp		1/2	1/2	1/2	1/2
	Tons of add-on cooling		1 - 2	1 - 2	1.5 - 3	1.5 - 3
	Air Volume Range - cfm		260 - 990	260 - 990	520 - 1345	550 - 1380
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.8	6.8	6.8	6.8
	Maximum overcurrent protection		15	15	15	15
Shipping Data	lbs. - 1 package		129	129	129	134

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.

SPECIFICATIONS

Gas		Model No.	EL195UH090XE48C	EL195UH110XE60C	EL195UH135XE60D
Heating Performance	¹ AFUE		95%	95%	95%
	Input - Btuh		88,000	110,000	132,000
	Output - Btuh		85,000	106,000	128,000
	Temperature rise range - °F		40 - 70	45 - 75	50 - 80
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10	3.5 / 10	3.5 / 10
	High static - in. w.g.		0.5	0.5	0.5
Energy Star® Certified			Yes	Yes	No
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.		3/4	3/4	3/4
	with furnished 90° street elbow with field supplied (PVC coupling) - o.d.		3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT	3/4 slip x 3/4 Mipt 3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.		10 x 10	11-1/2 x 10	11-1/2 x 10
	Motor Type		DC Brushless	DC Brushless	DC Brushless
	Motor output - hp		3/4	1	1
	Tons of add-on cooling		2.5 - 4	3 - 5	3.5 - 5
	Air Volume Range - cfm		760 - 1740	1055 - 2220	1260 - 2405
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase		
	Blower motor full load amps		8.4	10.9	10.9
	Maximum overcurrent protection		15	15	15
Shipping Data	lbs. - 1 package		158	170	187

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.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACES CANNOT BE TWINNED!

			"B" Width Models	"C" Width Models	"D" Width Models
CABINET ACCESSORIES					
Horizontal Suspension Kit - Horizontal only			51W10	51W10	51W10
Return Air Base - Upflow only			50W98	50W99	51W00
CONDENSATE DRAIN KITS					
Condensate Drain Heat Cable	6 ft.		26K68	26K68	26K68
	24 ft.		26K69	26K69	26K69
Heat Cable Tape	Fiberglass - 1/2 in. x 66 ft.		36G53	36G53	36G53
Crawl Space Vent Drain Kit			51W18	51W18	51W18
CONTROLS					
Blower Relay Kit (for two-stage outdoor units)			85W66	85W66	85W66
FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	Size of filter - in.	87L96 - 18 x 25 x 1	87L97 - 20 x 25 x 1	87L98 - 25 x 25 x 1
	Side Return	Single	44J22	44J22	44J22
		Ten Pack	66K63	66K63	66K63
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
SERVICE KITS					
Night Service Kit			84W48	84W48	84W48
Universal Service Kit - Switches			89W20	89W20	89W20
TERMINATION KITS					
See Installation Instructions for specific venting information.					
Termination Kits - Direct Vent Applications Only	Concentric	US - 2 in.	71M80	69M29	---
		3 in.	---	60L46	60L46
		Canada - 2 in.	44W92	44W92	---
		3 in.	---	44W93	44W93
	Flush-Mount	US - 2, 2-1/2 or 3 in.	51W11	51W11	51W11
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12
	Wall - Close Couple	US - 2 in.	22G44	---	---
		3 in.	44J40	44J40	44J40
	Wall - Close Couple WTK	Canada - 2 in.	30G28	---	---
		3 in.	81J20	81J20	81J20
Termination Kits - Direct or Non-Direct Vent	Roof	2 in.	15F75	15F75	---
	Wall Ring Kit	2 in.	15F74	³ 15F74	---
Roof Termination Flashing Kit - Direct or Non-Direct Vent (2 flashings)		3 in.	44J41	44J41	44J41

¹ Cleanable polyurethane frame type filter.

² Kits contain enough parts for two, non-direct vent installations.

³ Non-direct vent only.

NOTE - Termination Kits 44W92, 44W93, 30G28, 51W12, 81J20 are certified to ULC S636 standard for use in Canada only.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.
030	No Change	93W87	13X54	N/A	14C90	14C91
045	No Change	93W87	11K49	73W81	73W37	68W68
070	93W93	93W86	11K49	73W81	73W37	68W68
090	93W92	93W86	11K49	73W81	73W37	68W68
110	93W93	93W86	11K49	73W81	73W37	68W68
135	93W92	93W86	11K49	73W81	73W37	68W68

HIGH ALTITUDE DERATE

NOTE - Units may be installed at altitudes up to 10,000 ft.

At altitudes above 4501 ft. the unit must be derated to match the manifold pressure information shown below.

Units installed at altitudes of 4501 to 10,000 ft. require a pressure switch change.

Units installed at altitudes of 7501 to 10,000 ft. require an orifice change.

See the Gas Heat Accessories table for ordering information.

NOTE - This is the only permissible derate for these units.

NOTE - In Canada, certification for installations at elevations over 4500 feet is the jurisdiction of local authorities.

Input	Gas	Manifold Pressure in. w.g.					Supply Line Pressure in. w.g.	
		0 - 4500 ft.	4501 - 5500 ft.	5501 - 6500 ft.	6501 - 7500 ft.	7501 - 10,000 ft.	0 - 10,000 ft.	
							Min.	Max.
All Sizes	Natural	3.5	3.3	3.2	3.1	3.5	4.5	13.0
	LPG/Propane	10.0	9.4	9.1	8.9	10.0	11.0	13.0

OUTDOOR TERMINATION KIT USAGE

Input Size	Vent Pipe Diameter (in.)	Standard Terminations				Concentric Terminations			
		Flush Mount Kit	Wall Kit		Wall Ring Kit	Field Fabricated Exhaust Accelerator Size Required	Concentric Kit		
			2 inch	3 inch	2 inch		1-1/2 inch	2 inch	3 inch
			51W11 (US) 4 51W12 (CA)	22G44 (US) 4 30G28 (CA)	44J40 (US) 4 81J20 (CA)		15F74	71M80 (US) 4 44W92 (CA)	69M29 (US) 4 44W92 (CA)
030/ 045	2	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
	2-1/2	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
	3	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
070	2	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
	2-1/2	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
	3	³ YES	YES	¹ YES	YES	1-1/2 in.	² YES	---	---
090	2	³ YES	---	YES	¹ YES	2 in.	---	YES	YES
	2-1/2	³ YES	---	YES	¹ YES	2 in.	---	YES	YES
	3	³ YES	---	YES	¹ YES	2 in.	---	YES	YES
110	2	YES	---	YES	YES	2 in.	---	YES	YES
	2-1/2	YES	---	YES	---	2 in.	---	YES	YES
	3	YES	---	YES	---	2 in.	---	YES	YES
135	3	YES	---	YES	---	2 in.	---	---	YES

NOTE - Standard Terminations do not include any vent pipe or elbows external to the structure.

Any vent pipe or elbows external to the structure must be included in total vent length calculations. See Vent Length Tables.

¹ Requires field provided 1-1/2 in. outdoor exhaust accelerator.

² Concentric Kits **71M80** and **44W92** include 1-1/2 in. outdoor exhaust accelerator, required when used with 045 and 070 input models. Accelerator is not used with 090, 110, 135 input models.

³ Flush Mount Kit **51W11** and **51W12** includes 1-1/2 in. outdoor exhaust accelerator, required when used with 045, 070 and 090 input models. Accelerator is not used with 110 or 135 input models.

⁴ Termination Kits **30G28**, **44W92**, **44W93**, **51W12** and **81J20** are certified to ULC S636 standard for use in Canada only.

INSTALLATION CLEARANCES - INCHES (MM)

Sides	¹ 0 inches (0 mm)
Rear	0 inches (0 mm)
Top/Plenum	1 inch (25 mm)
Front	0 inches (0 mm)
Front (service/alcove)	24 inches (610 mm)
Floor	² Combustible

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 Allow proper clearances to accommodate condensate trap and vent pipe installation.

² Do not install the furnace directly on carpeting, tile, or other combustible materials other than wood flooring.

VENT LENGTHS - FEET

STANDARD TERMINATION AT ELEVATION 0 - 4500 ft.

	Pipe Size Input	2 in.					2-1/2 in.					3 in.				
		030/ 045	070	090	110	135	030/ 045	070	090	110	135	030/ 045	070	090	110	135
No. of 90 ELL	1	81	66	44	24	N/A	115	115	93	58	N/A	138	137	118	118	89
	2	76	61	39	19	N/A	110	110	88	53	N/A	133	132	113	113	84
	3	71	56	34	14	N/A	105	105	83	48	N/A	128	127	108	108	79
	4	66	51	29	N/A	N/A	100	100	78	43	N/A	123	122	103	103	74
	5	61	46	24	N/A	N/A	95	95	73	38	N/A	118	117	98	98	69
	6	56	41	19	N/A	N/A	90	90	68	33	N/A	113	112	93	93	64
	7	51	36	14	N/A	N/A	85	85	63	28	N/A	108	107	88	88	59
	8	46	31	N/A	N/A	N/A	80	80	58	23	N/A	103	102	83	83	54
	9	41	26	N/A	N/A	N/A	75	75	53	18	N/A	98	97	78	78	49
	10	36	21	N/A	N/A	N/A	70	70	48	13	N/A	93	92	73	73	44

STANDARD TERMINATION ELEVATION 4501 - 10,000 ft.

	Pipe Size Input	2 in.					2-1/2 in.					3 in.				
		030/ 045	070	090	110	135	030/ 045	070	090	110	135	030/ 045	070	090	110	135
No. of 90 ELL	1	81	66	44	N/A	N/A	115	115	93	58	N/A	138	137	118	118	89
	2	76	61	39	N/A	N/A	110	110	88	53	N/A	133	132	113	113	84
	3	71	56	34	N/A	N/A	105	105	83	48	N/A	128	127	108	108	79
	4	66	51	29	N/A	N/A	100	100	78	43	N/A	123	122	103	103	74
	5	61	46	24	N/A	N/A	95	95	73	38	N/A	118	117	98	98	69
	6	56	41	19	N/A	N/A	90	90	68	33	N/A	113	112	93	93	64
	7	51	36	14	N/A	N/A	85	85	63	28	N/A	108	107	88	88	59
	8	46	31	N/A	N/A	N/A	80	80	58	23	N/A	103	102	83	83	54
	9	41	26	N/A	N/A	N/A	75	75	53	18	N/A	98	97	78	78	49
	10	36	21	N/A	N/A	N/A	70	70	48	13	N/A	93	92	73	73	44

CONCENTRIC TERMINATION AT ELEVATION 0 - 4500 ft.

	Pipe Size Input	2 in.					2-1/2 in.					3 in.				
		030/ 045	070	090	110	135	030/ 045	070	090	110	135	030/ 045	070	090	110	135
No. of 90 ELL	1	73	58	42	22	N/A	105	105	89	54	N/A	121	121	114	114	80
	2	68	53	37	17	N/A	100	100	84	49	N/A	116	116	109	109	75
	3	63	48	32	12	N/A	95	95	79	44	N/A	111	111	104	104	70
	4	58	43	27	N/A	N/A	90	90	74	39	N/A	106	106	99	99	65
	5	53	38	22	N/A	N/A	85	85	69	34	N/A	101	101	94	94	60
	6	48	33	17	N/A	N/A	80	80	64	29	N/A	96	96	89	89	55
	7	43	28	12	N/A	N/A	75	75	59	24	N/A	91	91	84	84	50
	8	38	23	N/A	N/A	N/A	70	70	54	19	N/A	86	86	79	79	45
	9	33	18	N/A	N/A	N/A	65	65	49	14	N/A	81	81	74	74	40
	10	28	13	N/A	N/A	N/A	60	60	44	N/A	N/A	76	76	69	69	35

CONCENTRIC TERMINATION ELEVATION 4501 - 10,000 ft.

	Pipe Size Input	2 in.					2-1/2 in.					3 in.				
		030/ 045	070	090	110	135	030/ 045	070	090	110	135	030/ 045	070	090	110	135
No. of 90 ELL	1	73	58	42	N/A	N/A	105	105	89	54	N/A	121	121	114	114	80
	2	68	53	37	N/A	N/A	100	100	84	49	N/A	116	116	109	109	75
	3	63	48	32	N/A	N/A	95	95	79	44	N/A	111	111	104	104	70
	4	58	43	27	N/A	N/A	90	90	74	39	N/A	106	106	99	99	65
	5	53	38	22	N/A	N/A	85	85	69	34	N/A	101	101	94	94	60
	6	48	33	17	N/A	N/A	80	80	64	29	N/A	96	96	89	89	55
	7	43	28	12	N/A	N/A	75	75	59	24	N/A	91	91	84	84	50
	8	38	23	N/A	N/A	N/A	70	70	54	19	N/A	86	86	79	79	45
	9	33	18	N/A	N/A	N/A	65	65	49	14	N/A	81	81	74	74	40
	10	28	13	N/A	N/A	N/A	60	60	44	N/A	N/A	76	76	69	69	35

VENT LENGTHS - UNINSULATED EXHAUST PIPE IN UNCONDITIONED SPACE

¹ Winter Design Temperatures	Vent Pipe Diameter	Unit Input Size											
		035		045		070		090		110		135	
		Maximum Un-Insulated Exhaust Vent Length (ft.)											
		PVC	PolyPro InnoFlue	PVC	PolyPro InnoFlue	PVC	PolyPro InnoFlue	PVC	PolyPro InnoFlue	PVC	PolyPro InnoFlue	PVC	PolyPro InnoFlue
32 to 21°F	2 in.	17	16	18	16	31	28	50	48	30	30	N/A	N/A
	2-1/2 in.	13	N/A	13	N/A	24	N/A	42	N/A	56	N/A	N/A	N/A
	3 in.	10	10	9	9	18	18	35	35	47	47	52	52
20 to 1°F	2 in.	9	7	9	8	18	16	32	29	30	30	N/A	N/A
	2-1/2 in.	5	N/A	5	N/A	13	N/A	24	N/A	34	N/A	N/A	N/A
	3 in.	N/A	N/A	N/A	N/A	8	8	19	19	26	26	30	30
0 to -20°F	2 in.	4	N/A	5	N/A	12	10	22	19	30	27	N/A	N/A
	2-1/2 in.	N/A	N/A	N/A	N/A	7	N/A	15	N/A	22	N/A	N/A	N/A
	3 in.	N/A	N/A	N/A	N/A	N/A	N/A	10	10	16	16	18	18

NOTE - Concentric terminations are equivalent to 5 ft. of straight pipe and should be included when measuring total pipe length.

¹ Refer to 99% Minimum Design Temperature table provided in the current edition of the ASHRAE Handbook-Fundamentals.

PolyPro® poly-propylene vent pipe is a registered trademark of DuraVent®.

Innoflue® is a registered trademark of Centrotherm Eco Systems.

BLOWER DATA

EL195UH030XE24B AND EL195UH045XE24B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1025	122	935	97	855	76	820	76	765	69
0.10	985	129	910	104	820	82	775	72	700	63
0.20	955	139	875	114	770	87	640	62	575	52
0.30	915	145	830	120	730	96	575	67	375	40
0.40	875	155	790	130	680	101	530	74	330	47
0.50	830	161	750	136	635	110	470	79	260	51
0.60	800	172	700	146	580	115	420	82	210	47
0.70	765	181	650	150	550	124	385	90	180	51
0.80	715	187	615	159	500	127	325	94	135	52

EL195UH045XE36B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1345	340	1255	245	1150	185	895	105	845	95
0.10	1305	345	1225	250	1105	200	855	110	810	95
0.20	1290	360	1190	260	1080	205	825	120	780	105
0.30	1275	370	1150	270	1045	215	785	125	720	110
0.40	1220	385	1120	280	1015	220	735	135	690	120
0.50	1215	390	1090	290	980	230	705	140	635	125
0.60	1190	395	1060	300	950	240	650	150	600	135
0.70	N/A	N/A	1015	300	900	250	620	155	555	140
0.80	N/A	N/A	1000	310	870	260	580	160	520	145

EL195UH070XE36B PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1380	315	1305	250	1190	200	965	105	920	100
0.10	1360	325	1270	255	1180	205	915	115	865	100
0.20	1310	335	1250	265	1130	215	880	120	815	110
0.30	1275	340	1205	275	1100	225	835	125	775	115
0.40	1250	355	1175	280	1065	230	795	135	730	125
0.50	1215	370	1145	295	1045	240	745	145	670	130
0.60	1200	380	1100	310	995	245	705	150	640	140
0.70	1145	380	1070	310	960	255	670	160	585	145
0.80	N/A	N/A	1035	320	925	265	610	165	550	155

EL195UH090XE48C PERFORMANCE (Less Filter)

External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	1740	370	1505	250	1370	195	1285	160	1135	125
0.10	1695	390	1470	265	1325	205	1240	170	1090	135
0.20	1660	405	1435	280	1290	220	1195	185	1045	145
0.30	1615	415	1390	295	1240	235	1140	200	995	160
0.40	1590	425	1350	305	1200	245	1110	210	945	165
0.50	1560	440	1310	320	1155	260	1055	225	895	175
0.60	1525	455	1255	335	1105	270	1005	230	855	190
0.70	1475	470	1220	340	1065	285	960	245	805	200
0.80	N/A	N/A	1170	355	1010	295	920	255	760	210

BLOWER DATA

EL195UH110XE60C PERFORMANCE (Less Filter)

External Static Pressure in. w.g.		Air Volume / Watts at Different Blower Speeds																			
		Bottom Return Air, Side Return Air with Optional 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		Med-High		Medium		Med-Low		Low		High		Med-High		Medium		Med-Low		Low	
cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	2220	645	1940	435	1765	335	1635	280	1435	200	2185	655	1915	440	1745	340	1620	275	1430	195	
0.10	2170	660	1920	460	1715	350	1595	290	1380	205	2160	660	1880	460	1705	345	1570	285	1380	205	
0.20	2130	680	1865	475	1670	370	1560	305	1345	220	2115	680	1835	470	1670	365	1535	305	1325	220	
0.30	2095	700	1835	490	1640	390	1525	325	1285	230	2060	705	1795	495	1630	380	1505	320	1285	230	
0.40	2065	720	1785	510	1600	405	1465	335	1250	245	2050	720	1760	510	1570	400	1455	330	1235	245	
0.50	2030	740	1755	525	1560	415	1425	355	1215	260	2000	740	1720	530	1535	415	1410	345	1195	260	
0.60	1995	760	1705	550	1525	435	1380	370	1150	270	1955	760	1685	550	1505	435	1380	365	1145	275	
0.70	1955	770	1660	560	1475	450	1350	375	1100	290	1935	775	1650	555	1455	450	1325	375	1100	285	
0.80	1930	790	1635	575	1445	460	1300	395	1050	305	1890	790	1610	575	1425	460	1285	390	1055	295	

EL195UH135XE60D PERFORMANCE (Less Filter)

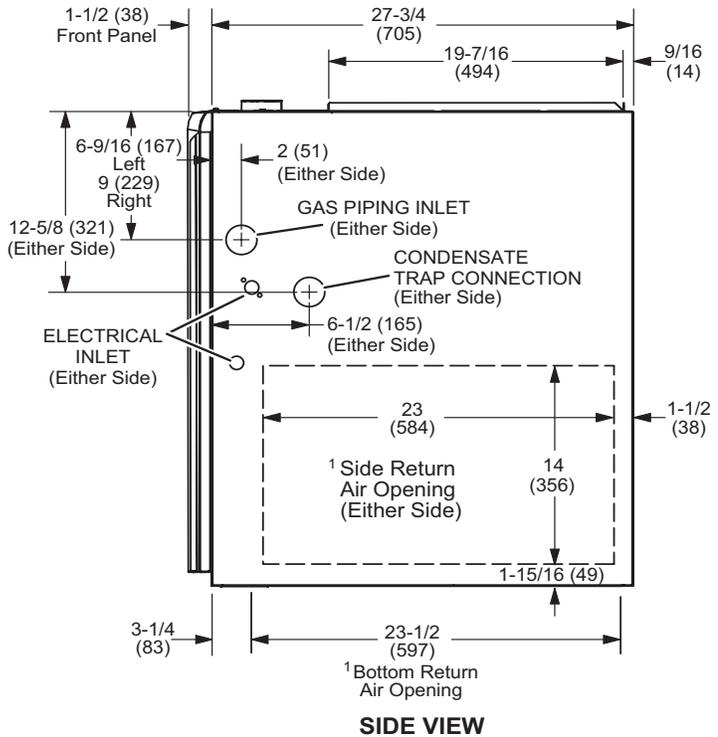
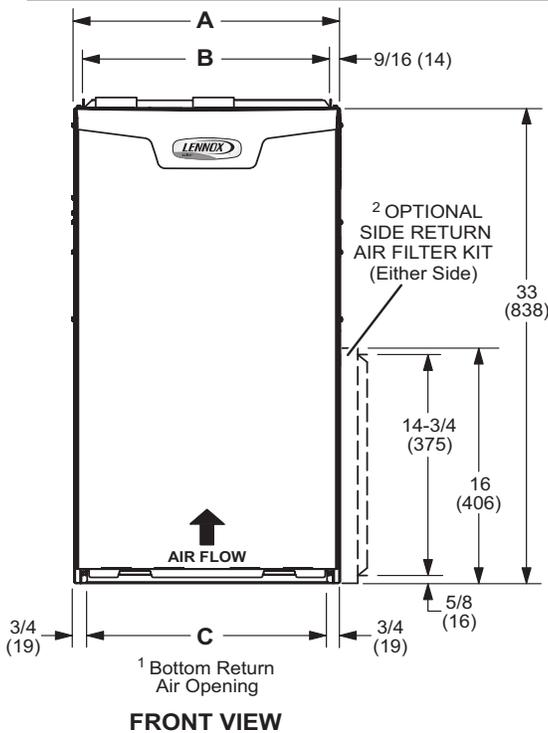
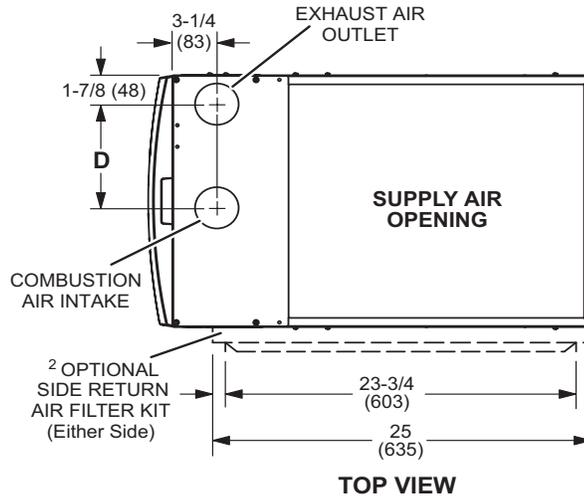
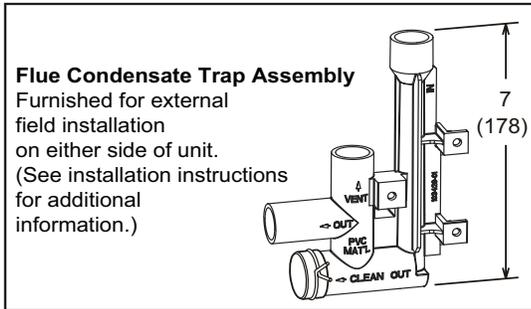
External Static Pressure in. w.g.		Air Volume / Watts at Different Blower Speeds																			
		Bottom Return Air, Side Return Air with Optional Return Air Base, Return Air from Both Sides or Return Air from Bottom and One Side.										Single Side Return Air – Air volumes in bold require field fabricated transition to accommodate 20 x 25 x 1 in. air filter in order to maintain proper air velocity.									
		High		Med-High		Medium		Med-Low		Low		High		Med-High		Medium		Med-Low		Low	
cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.00	2405	940	2235	735	2070	545	1830	390	1620	280	2395	925	2235	710	2020	550	1800	380	1610	275	
0.10	2365	960	2210	745	2020	565	1770	400	1585	295	2360	935	2175	735	2005	555	1760	395	1550	295	
0.20	2330	975	2180	770	1950	580	1745	420	1535	315	2350	955	2160	760	1955	565	1725	415	1510	300	
0.30	2295	1000	2120	785	1925	595	1690	435	1480	325	2290	990	2095	775	1890	590	1700	435	1420	325	
0.40	2275	1015	2075	805	1885	615	1640	460	1445	340	2255	995	2060	795	1850	615	1635	445	1390	340	
0.50	2225	1025	2035	815	1845	630	1605	475	1395	360	2230	1010	2040	815	1845	625	1590	470	1375	360	
0.60	2185	1010	2020	835	1815	645	1565	485	1330	365	2170	1025	2000	820	1795	640	1580	485	1335	370	
0.70	N/A	N/A	1940	850	1735	665	1520	500	1310	385	N/A	N/A	1935	845	1725	660	1520	500	1295	385	
0.80	N/A	N/A	1890	860	1715	680	1465	510	1285	400	N/A	N/A	1880	855	1705	680	1470	510	1260	405	

DIMENSIONS - INCHES (MM) - UPFLOW POSITION

¹ 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. cleanable air filter. Required to maintain proper air velocity.
 2. Single side return air with Optional 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.

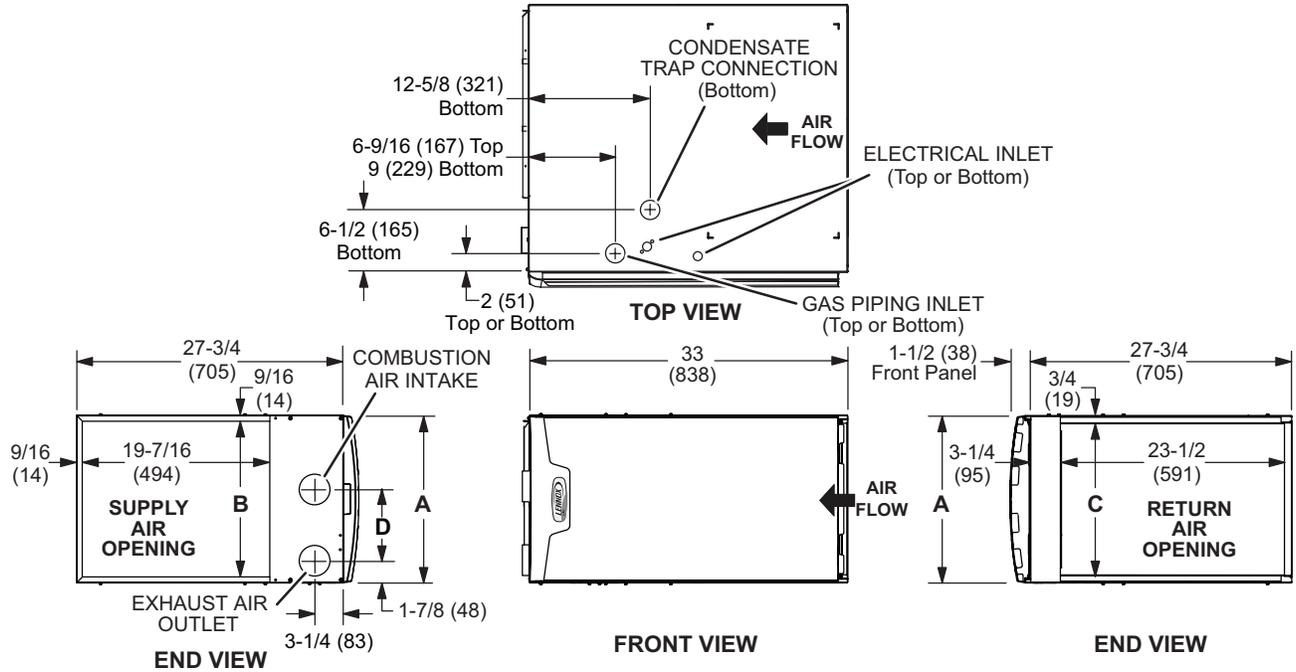
² Optional Side Return Air Filter Kit is not for use with the Optional Return Air Base.



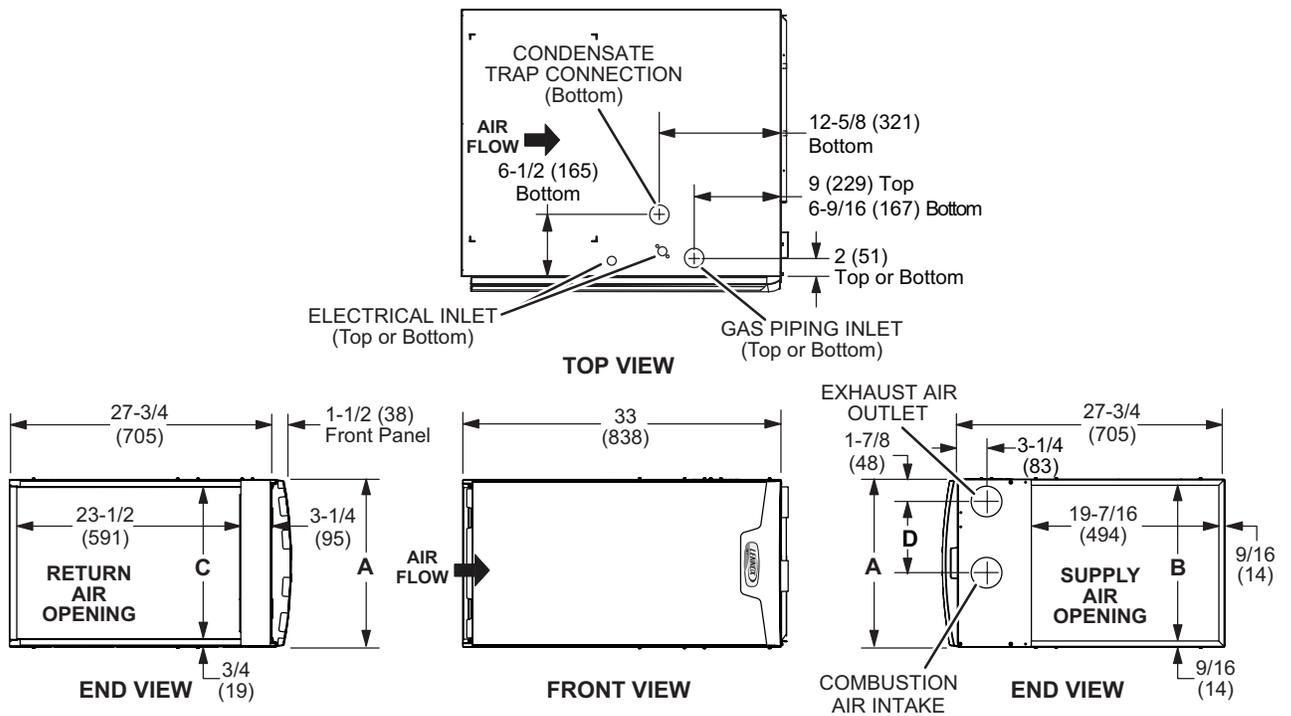
Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
EL195UH030XE24B EL195UH045XE24B EL195UH045XE36B EL195UH070XE36B	17-1/2	446	16-3/8	416	16	406	7-5/8	194
EL195UH090XE48C EL195UH110XE60C	21	533	19-7/8	505	19-1/2	495	9-3/8	238
EL195UH135XE60D	24-1/2	622	23-3/8	594	23	584	11-1/8	283

DIMENSIONS - INCHES (MM) - HORIZONTAL POSITION

LEFT-HAND AIR DISCHARGE



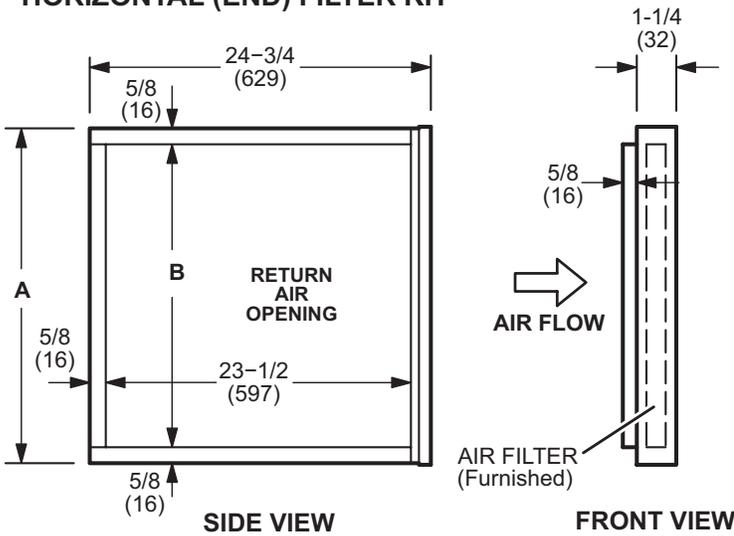
RIGHT-HAND AIR DISCHARGE



Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
EL195UH030XE24B	17-1/2	446	16-3/8	416	16	406	7-5/8	194
EL195UH045XE24B								
EL195UH045XE36B								
EL195UH070XE36B								
EL195UH090XE48C	21	533	19-7/8	505	19-1/2	495	9-3/8	238
EL195UH110XE60C								
EL195UH135XE60D	24-1/2	622	23-3/8	594	23	584	9-3/4	248

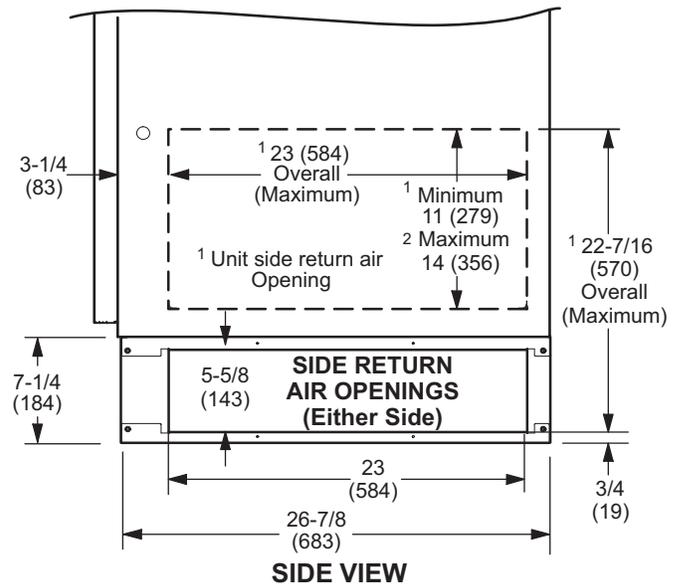
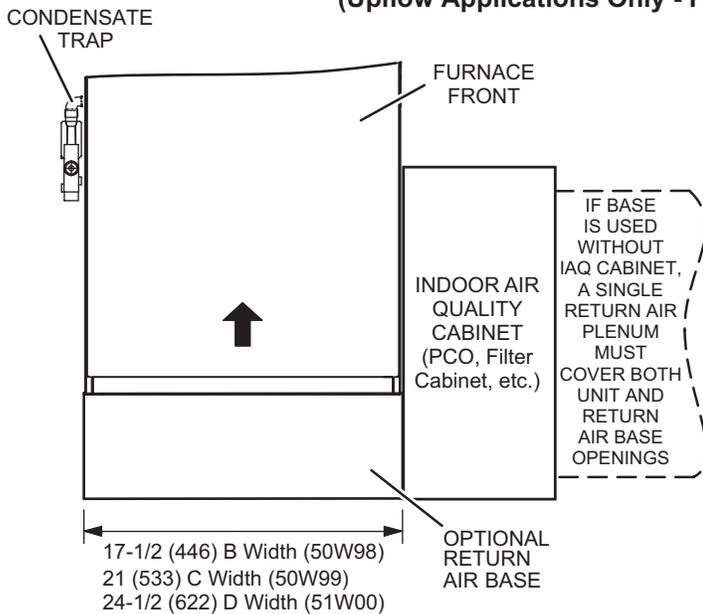
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

HORIZONTAL (END) FILTER KIT



Furnace Cabinet Width	Catalog Number	A		B	
		in.	mm	in.	mm
B	87L96	18	457	16-3/4	425
C	87L97	21	533	18-3/4	476
D	87L98	25	635	23-3/4	603

Optional Return Air Base (Upflow Applications Only - For use with B, C and D cabinets)



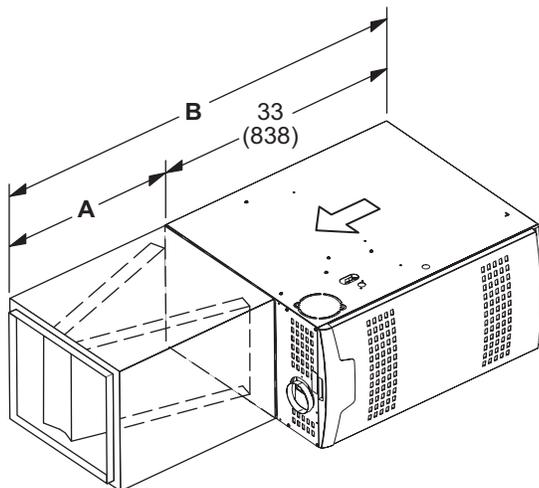
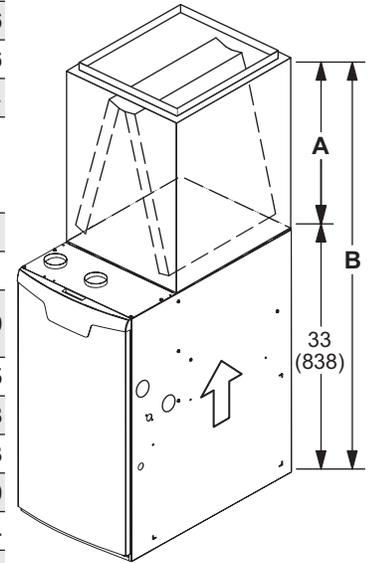
NOTE- Optional Side Return Air Filter Kits are not for use with Optional Return Air Base.

- 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.
- To minimize pressure drop, the largest opening height possible, up to 14 in. (356 mm), is preferred.

DIMENSIONS - INCHES (MM) - FURNACE/COIL COMBINED DIMENSIONS

UPFLOW POSITION

Model No			Cased				Uncased (C33 only)			
			A		B		A		B	
CX34	C35/CX35	C33	in.	mm	in.	mm	in.	mm	in.	mm
---	---	C33-18A	12-1/2	318	45-1/2	1156	9-3/4	248	42-3/4	1086
CX34-19A-6F	---	C33-19A	16-1/2	419	49-1/2	1257	9-3/4	248	42-3/4	1086
---	---	C33-24A	16-1/2	419	49-1/2	1257	14	356	47	1194
CX34-18/24A-6F	C35/CX35-18/24A-6F	C33-24B C33-24C	16-1/2	419	49-1/2	1257	13-7/8	352	46-7/8	1191
CX34-18/24B-6F	C35/CX35-18/24B-6F						16-1/4	413	49-1/4	1251
CX34-18/24C-6F	C35/CX35-18/24C-6F						15-7/8	403	48-7/8	1241
CX34-25A-6F	C35/CX35-24A-6F	C33-25A	18-1/2	470	51-1/2	1308	16-1/4	413	49-1/4	1251
CX34-25B-6F	C35/CX35-24B-6F	C33-25B	18-1/2	470	51-1/2	1308	15-7/8	403	48-7/8	1241
CX34-30B-6F	---	C33-30B	20-1/2	521	53-1/2	1359	17-3/4	451	50-3/4	1289
CX34-30C-6F	---	C33-30C								
CX34-30A-6F	---	C33-30A	20-1/2	521	53-1/2	1359	18	457	51	1295
CX34-31A-6F	C35/CX35-30A-6F	C33-31A	22-1/2	572	55-1/2	1410	21-1/4	540	54-1/4	1378
CX34-31B-6F	C35/CX35-30B-6F	C33-31B	22-1/2	572	55-1/2	1410	20-1/4	514	53-1/4	1353
CX34-36A-6F	C35/CX35-30/36A-6F	C33-36A	24-1/2	622	57-1/2	1461	22-1/8	562	55-1/8	1400
CX34-36B-6F	C35/CX35-30/36B-6F	C33-36B	24-1/2	622	57-1/2	1461	21-7/8	556	54-7/8	1394
CX34-36C-6F	C35/CX35-30/36C-6F	C33-36C	24-1/2	622	57-1/2	1461	21-1/4	540	54-1/4	1378
CX34-38A-6F	C35/CX35-36A-6F	C33-38A	24-1/2	622	57-1/2	1461	22-1/4	565	55-1/4	1403
CX34-38B-6F	C35/CX35-36B-6F	C33-38B	24-1/2	622	57-1/2	1461	22	559	55	1397
CX34-42B-6F	---	C33-42B	24-1/2	622	57-1/2	1461	21-7/8	556	54-7/8	1394
CX34-43B-6F	C35/CX35-48B-6F	C33-43B	27-1/2	699	60-1/2	1537	26-1/4	667	59-1/4	1505
CX34-43C-6F	C35/CX35-48C-6F	C33-43C	27-1/2	699	60-1/2	1537	25-3/4	654	58-3/4	1492
---	---	C33-44C	24-1/2	622	57-1/2	1461	21-1/2	546	54-1/2	1384
CX34-44/48B-6F	---	C33-48B	24-1/2	622	57-1/2	1461	22-1/8	562	55-1/8	1400
CX34-44/48C-6F	---	C33-48C	24-1/2	622	57-1/2	1461	21-1/2	546	54-1/2	1384
CX34-49C-6F	C35/CX35-49C-6F	C33-49C	29-1/2	749	62-1/2	1588	28-1/2	724	61-1/2	1562
CX34-50/60C-6F	C35/CX35-50/60C-6F	C33-50/60C	27-1/2	699	60-1/2	1537	24-3/4	629	57-3/4	1467
CX34-60D-6F	---	C33-60D	25-1/2	648	58-1/2	1486	24-3/4	629	57-3/4	1467
CX34-62C-6F	CX35-60C-6F	C33-62C	31-1/2	800	64-1/2	1638	30-5/8	778	63-5/8	1616
CX34-62D-6F	CX35-60D-6F	C33-62D	29-1/2	749	62-1/2	1588	28-3/4	730	61-3/4	1568

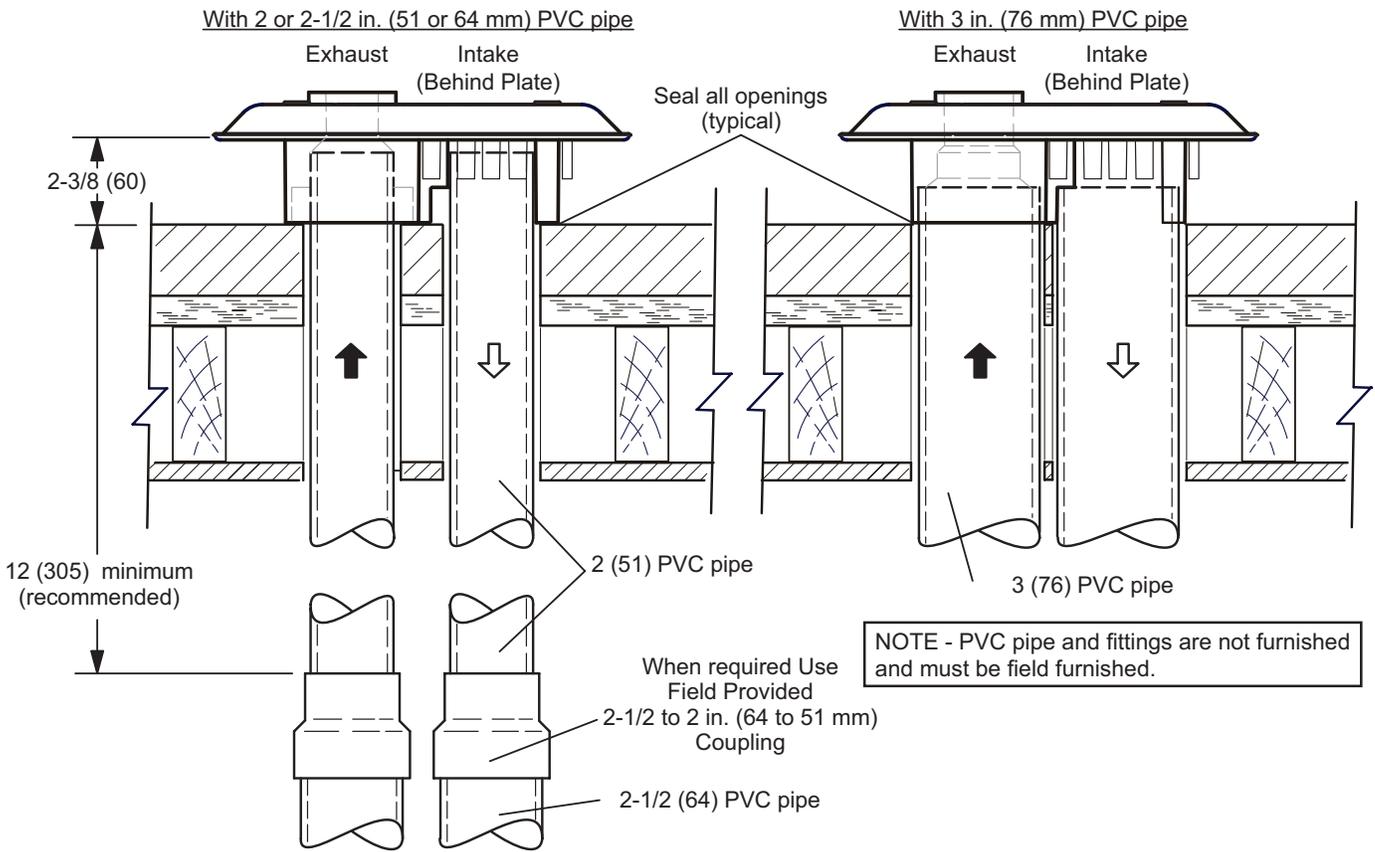
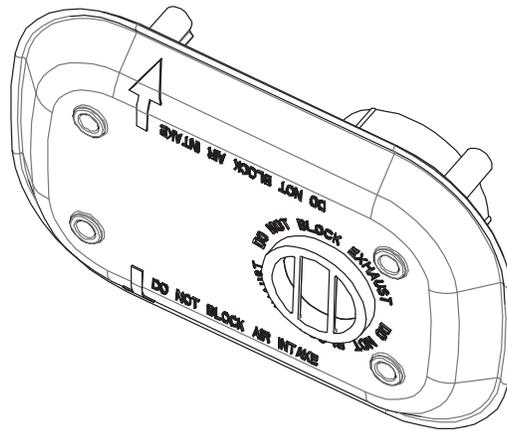


HORIZONTAL POSITION

Model Number		A		B	
		in.	mm	in.	mm
CH33-18A-2F		21-1/2	546	54-1/2	1384
CH33-24/30A-2F	CH33-42B-2F	26-1/2	673	59-1/2	1511
CH33-36A-2F	CH33-48C-2F				
CH33-36B-2F	CH33-60D-2F				
CH33-36C-2F					
CH33-44/48B-2F	CH33-62D-2F	31-1/2	800	64-1/2	1638
CH33-50/60C-2F					

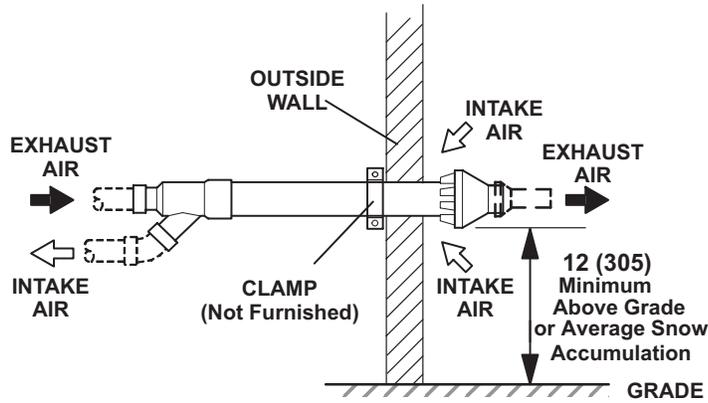
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

FLUSH-MOUNT VENT TERMINATION KIT 51W11 (US) or 51W12 (CANADA)

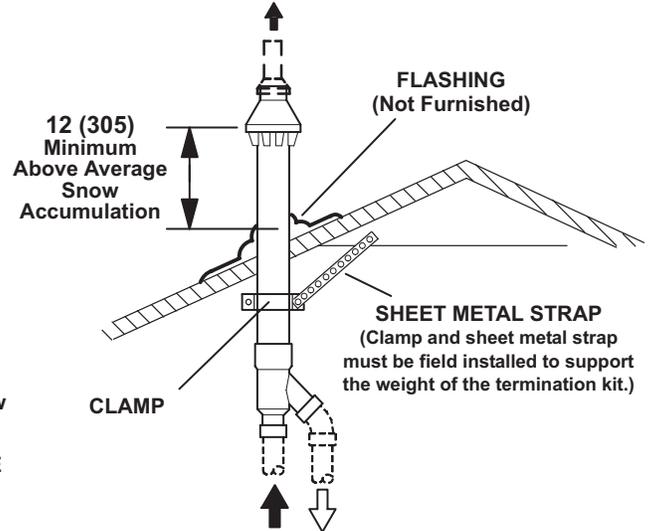


OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

CONCENTRIC WALL TERMINATION APPLICATIONS

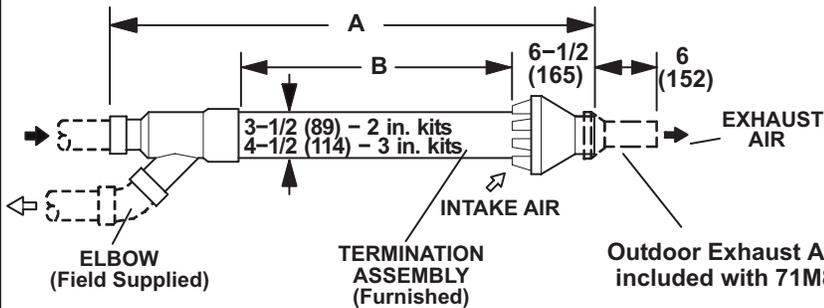


CONCENTRIC ROOF TERMINATION APPLICATIONS



71M80 / 69M29 / 44W92 – 2 inch kits
60L46 / 44W93 – 3 inch kits
See Installation Instructions for additional information.

Note - Field provided reducer may be required to adapt larger vent pipe size to termination.



Cat. No.	A		B	
	in.	mm	in.	mm
71M80 69M29	33-3/8	848	16-3/4	425
44W92 (Canada)	29	737	15-1/2	394
60L46	38-7/8	987	21-3/16	538
44W93 (Canada)	36-1/8	918	19-1/2	495

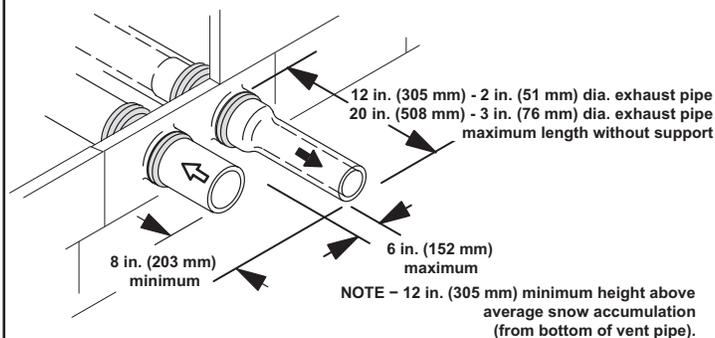
NOTE - Typical illustration for dimensions only. Design may vary depending on kit ordered.

WALL ASSEMBLY TERMINATION KIT - RING KIT 15F74 - 2 inch (51 mm)

See Installation Instructions for additional information.

Note - Field provided reducer may be required to adapt larger vent pipe size to termination.

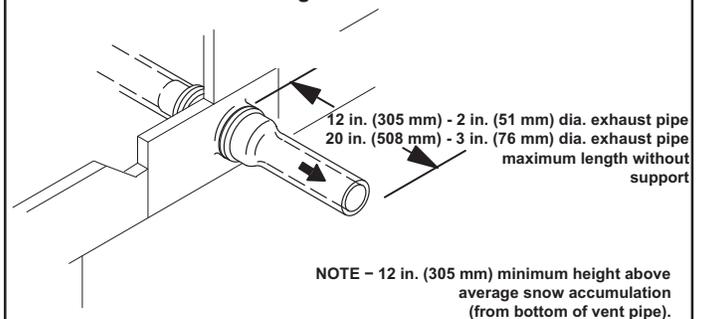
DIRECT VENT APPLICATION



NON-DIRECT VENT APPLICATION

NOTE - EXHAUST PIPE SHOWN

Kit Contains Enough Parts For Two Installations



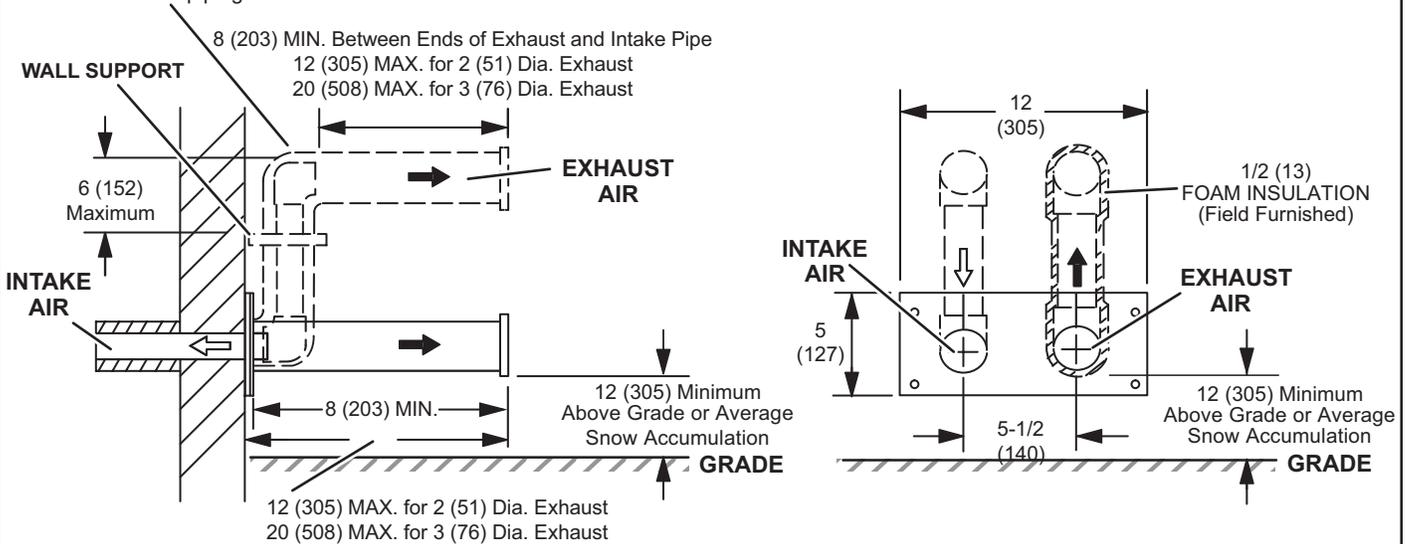
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

**WALL TERMINATION KITS (CLOSE-COUPLE)
EXTENDED VENT FOR GRADE CLEARANCE
2 inch (51 mm) 22G44 (US)
3 inch (76 mm) 44J40 (US)**

See Installation Instructions for additional information.

Note - Field provided reducer may be required to adapt larger vent pipe size to termination.

If Intake and Exhaust Pipe is less than 12 in. (305 mm) above snow accumulation or other obstructions, field fabricated piping must be installed.

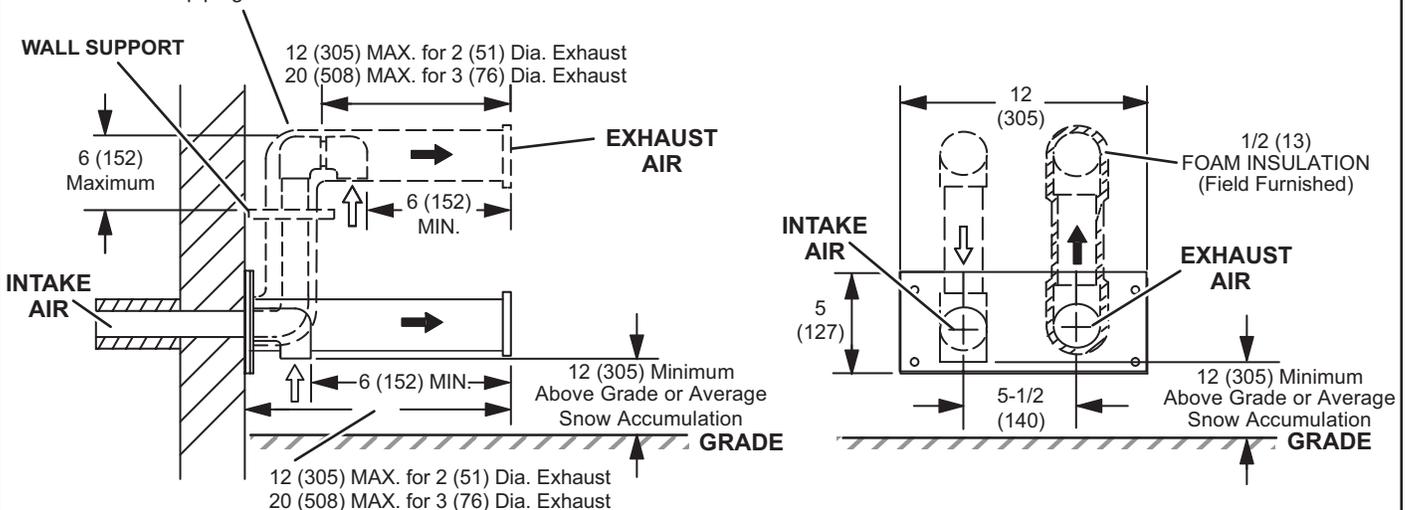


**WALL TERMINATION KITS (CLOSE-COUPLE)
EXTENDED VENT FOR GRADE CLEARANCE
2 inch (51 mm) 30G28 (WTK Canada)
3 inch (76 mm) 81J20 (WTK Canada)**

See Installation Instructions for additional information.

Note - Field provided reducer may be required to adapt larger vent pipe size to termination.

If Intake and Exhaust Pipe is less than 12 in. (305 mm) above snow accumulation or other obstructions, field fabricated piping must be installed.



REVISIONS

Sections	Description of Change
Gas Heat Accessories	Revised Natural Gas to LPG/Propane Kit usage.



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