



GAS FURNACES

EL195DF

ELITE® SERIES

Downflow

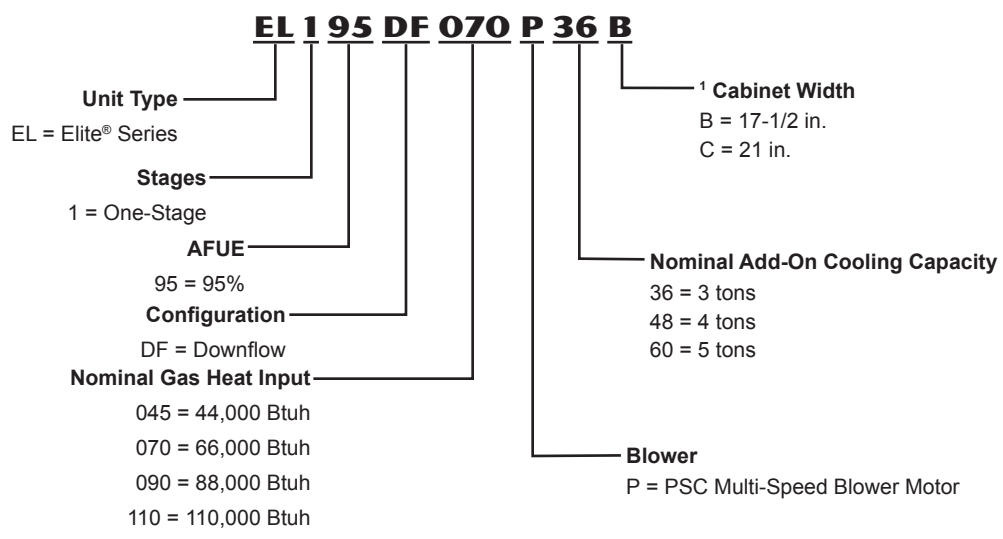
PRODUCT SPECIFICATIONS

Bulletin No. 210593
September 2011
Supersedes March 2011



AFUE - 95%
Input - 44,000 to 110,000 Btuh
Nominal Add-on Cooling - 2 to 5 Tons

MODEL NUMBER IDENTIFICATION



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

FEATURES

CONTENTS

Blower Data	15
Dimensions	10
Dimensions - Furnace/Coil Combined Dimensions	9
Features.....	2
Gas Heat Accessories	7
Installation Clearances	6
Model Number Identification	1
Optional Accessories	7
Optional Accessory Dimensions	11
Specifications.....	6
Termination Kits Usage.....	9
Vent Lengths - Feet	8

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.

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

Approved by the California Energy Commission and meets California Nitrogen Oxides (NOx) Standards.

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.

APPLICATIONS

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

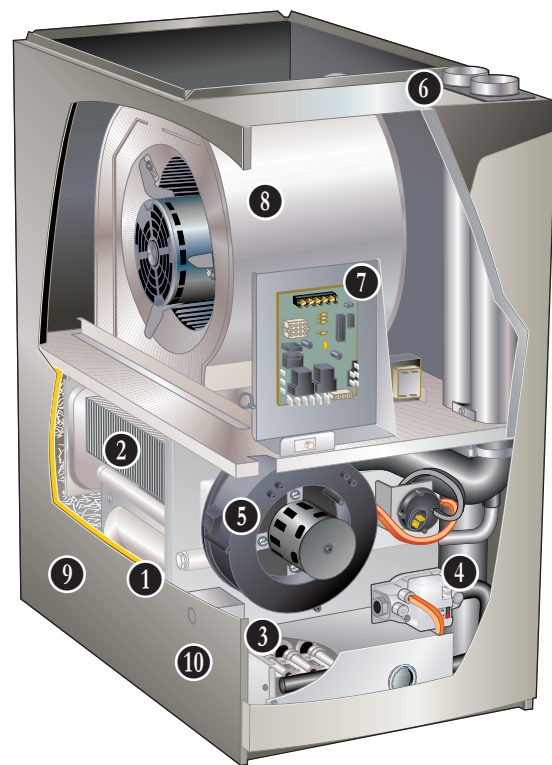
Energy efficiency (AFUE) of 95%.

Compact cabinet for downflow applications without any internal modifications to the unit.

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

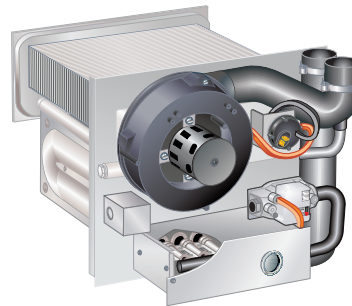
Shipped factory assembled with controls installed and wired.

Each unit factory test operated to ensure proper operation.



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 unit for field installation.

FEATURES

HEATING SYSTEM (CONTINUED)

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. 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.

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.

4 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.

Flame Rollout Switches (2)

Manual reset switches are factory installed on burner box. Switch provides protection from abnormal operating conditions.

Limit Control

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

5 Combustion Air Inducer

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

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.

Pressure Switch

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

OPTIONS

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.

DIRECT VENT / NON-DIRECT VENT

- 6** Furnace 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.

OPTIONS

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 -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.

FEATURES

DIRECT VENT (CONTINUED)

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 - Direct Vent or Non-Direct Vent Applications

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

Vent pipe and insulation not furnished.

Also available for use with 2 inch (use 3 inch flashing) Concentric Vent Termination Kits used in vertical venting rooftop applications.

7 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 (45 seconds).

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. A separate 24V accessory terminal is also provided for low voltage accessories.

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

24 Volt Transformer

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

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

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

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

Safety Night Service Kit

Kit contains:

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

8 BLOWER

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. See blower performance tables.

FEATURES

CABINET

Low-profile, narrow width cabinet allows easy installation in downflow 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.

- 9 Cabinet is insulated 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.

Complete service access.

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

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

Coil Match-up

All furnaces exactly match CR33 cased, downflow indoor coils with adaptor rails, furnished with coil.

OPTIONS

Condensate Drain Heat Cable Kits

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

Available in 6, 24 or 50 ft. lengths.

Heat Cable Tape:

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

60 ft. length, 2 in. wide aluminum foil.

Crawl Space Vent Drain Kit

Allows venting through a crawl space for downflow applications.

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

Downflow Combustible Flooring Base

Required for heating only units installed on combustible floors.

Not required in add-on cooling applications.

See Dimension Drawing.

FILTER

OPTIONS

Downflow Filter Cabinet

Filter cabinet mounts directly on top of furnace.

“B and “C” width cabinets have two filters.

Filter rails are furnished.

Front access for servicing.

Cleanable filter(s) are furnished.

SPECIFICATIONS

		Model No.	EL195DF045P36B	EL195DF070P48B	EL195DF090P60C	EL195DF110P60C
Gas Heating Performance		¹ AFUE	95%	95%	95%	95%
		Input - Btuh	44,000	66,000	88,000	110,000
		Output - Btuh	42,000	64,000	85,000	106,000
		Temperature rise range - °F	25 - 55	25 - 55	30 - 60	40 - 70
		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
	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.		1/2	1/2	1/2	1/2	
with furnished 90° street elbow		1/2 slip x 1/2 Mipt	1/2 slip x 1/2 Mipt	1/2 slip x 1/2 Mipt	1/2 slip x 1/2 Mipt	
with field supplied (PVC coupling) - o.d.		1/2 slip x 1/2 Npt	1/2 slip x 1/2 Npt	1/2 slip x 1/2 Npt	1/2 slip x 1/2 Npt	
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	11-1/2 x 10	11-1/2 x 10	11-1/2 x 10	
	Motor output - hp	1/3	3/4	1	1	
	Tons of add-on cooling	2 - 3	3 - 4	4 - 5	4 - 5	
	Air Volume Range - cfm	605-1615	1090-1885	1270-2305	1330-2375	
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	6.1	10.0	11.5	11.5	
	Maximum overcurrent protection	12	12	15	15	
Shipping Data	lbs. - 1 package	121	134	154	164	

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.

INSTALLATION CLEARANCES

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 Clearance for installation on combustible floor if Optional Downflow Combustible Flooring Base is installed between furnace and combustible floor. Not required in add-on cooling applications if installed in accordance with local codes or National Fuel Gas Code ANSI-Z223.1 or CAN/CGA-149.1.,2. Do not install the furnace directly on carpeting, tile, or other combustible materials other than wood flooring.

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

			"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Downflow Combustible Flooring Base			11M60	11M61
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable	6 ft.		26K68	26K68
	24 ft.		26K69	26K69
	50 ft.		26K70	26K70
Heat Cable Tape	Fiberglass - 1/2 in. x 66 ft.		36G53	36G53
	Aluminum foil - 2 in. x 60 ft.		16P89	16P89
Crawl Space Vent Drain Kit			51W18	51W18
DOWNFLOW FILTER KITS				
Downflow Filter Cabinet			51W07	51W08
	No. and Size of filter - in.		(2) 20 x 20 x 1	(2) 20 x 20 x 1
NIGHT SERVICE KITS				
Safety Night Service Kit			51W05	51W05
TERMINATION KITS				
See Installation Instructions for specific venting information.				
Termination Kits - Direct Vent Applications Only	Concentric	US - 2 in.	71M80	69M29
		3 in.	---	60L46
		Canada - 2 in.	44W92	44W92
		3 in.	---	44W93
	Flush-Mount	2, 2-1/2 or 3 in.	51W11	51W11
	Wall - Close Couple	US - 2 in.	22G44	---
		3 in.	44J40	44J40
	Wall - Close Couple WTK	Canada - 2 in.	30G28	---
3 in.		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)			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, 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.
045	No Change	80W60	69W73	73W81	73W37	68W68
070	80W66	80W59	69W73	73W81	73W37	68W68
090	80W65	80W59	69W73	73W81	73W37	68W68
110	80W66	80W59	69W73	73W81	73W37	68W68

VENT LENGTHS - FEET

STANDARD TERMINATION AT ELEVATION 0 - 4500 ft.

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

STANDARD TERMINATION ELEVATION 4501 - 10,000 ft.

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

CONCENTRIC TERMINATION AT ELEVATION 0 - 4500 ft.

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

CONCENTRIC TERMINATION ELEVATION 4501 - 10,000 ft.

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

TERMINATION KITS USAGE

Input Size	Vent Pipe Diameter in.	Concentric Terminations			Standard Terminations					
		Concentric Kits			Close Couple Kits		Wall Ring Kit	Flush Mount kit	Outdoor Exhaust Accelerator (Diameter X Length) For use with Close Couple and Wall Ring Kits	
		2 in.		3 in.	2 in.	3 in.	2 in.	2, 2-1/2 or 3 in.	1-1/2 x 12 in.	2 x 12 in.
		³ 71M80 ^{3,4} 44W92	69M29	60L46 ⁴ 44W93	22G44 ⁴ 30G28	44J40 ⁴ 81J20	15F74	51W11	Field Provided	
045	2	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
	2-1/2	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
	3	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
070	2	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
	2-1/2	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
	3	Yes	---	---	Yes	¹ Yes	Yes	Yes	Yes	---
090	2	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes
	2-1/2	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes
	3	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes
110	2	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes
	2-1/2	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes
	3	---	Yes	Yes	---	Yes	² Yes	Yes	---	Yes

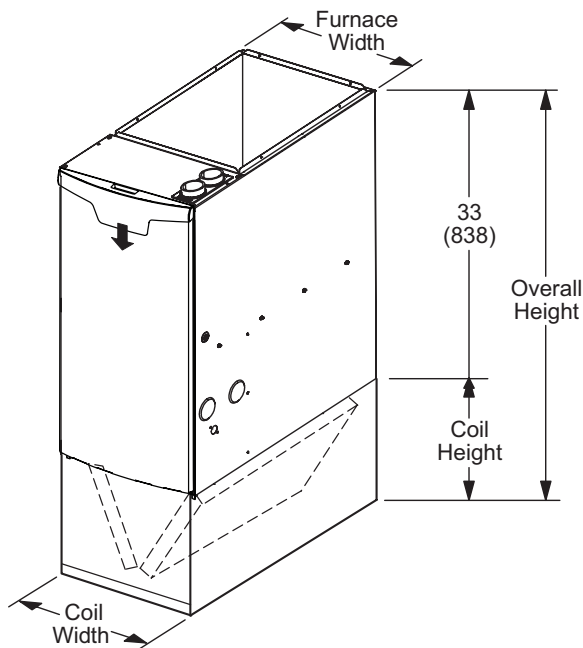
¹ Requires field provided 1-1/2 in. outdoor exhaust accelerator.

² Requires field provided 2 in. outdoor exhaust accelerator.

³ Concentric Kits **71M80** and **44W92** include 1-1/2 in. outdoor exhaust accelerator, required when used with 045, 070 input models. Accelerator is not used with 090, 110, 135 input models.

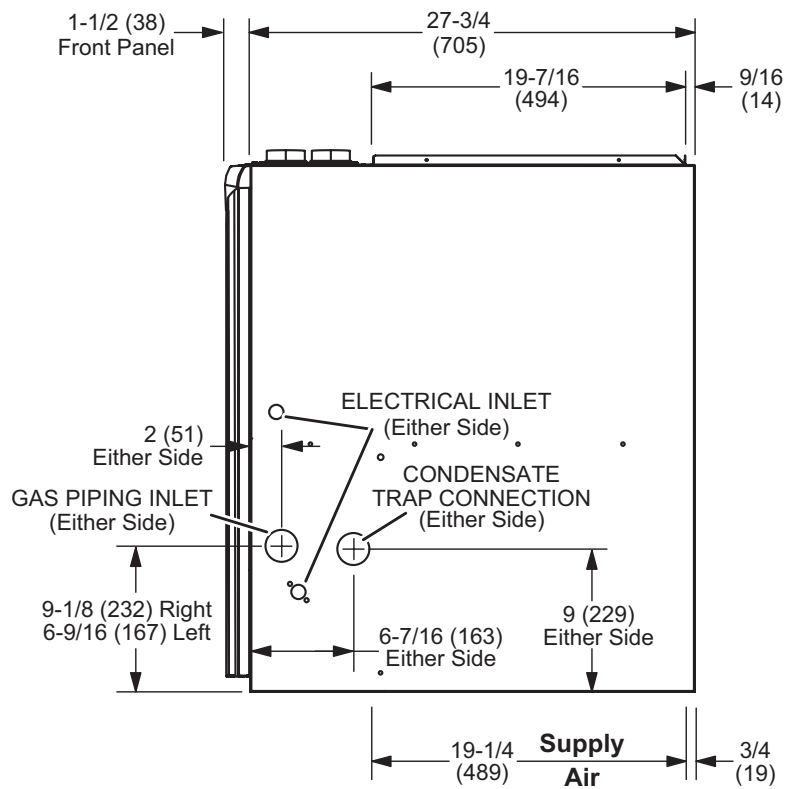
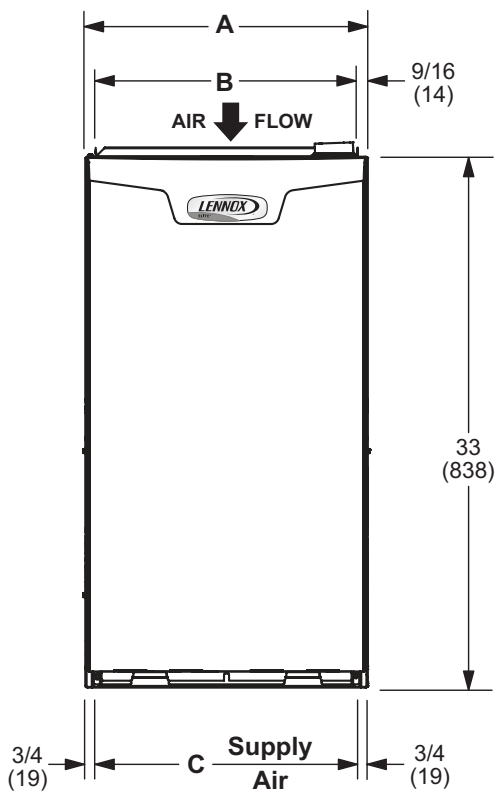
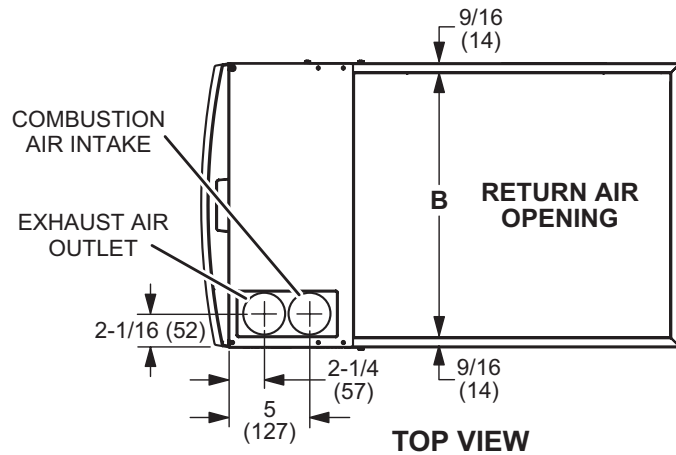
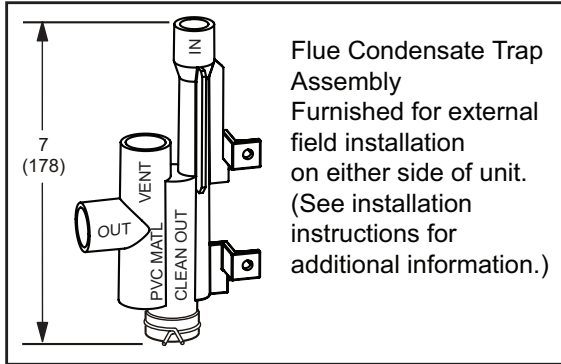
⁴ Termination Kits **44W92**, **44W93**, **30G28**, **81J20** are certified to ULC S636 standard for use in Canada only.

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



Model Number	Coil Width		Furnace Width		Coil Height		Overall Height	
	in.	mm	in.	mm	in.	mm	in.	mm
CR33-24B-F	17-1/2	446	17-1/2	446	13-1/4	337	46-1/4	1175
CR33-30/36B-F	17-1/2	446	17-1/2	446	16-1/8	410	49-1/8	1248
CR33-30/36C-F	21	533	21	533	16-1/8	410	49-1/8	1248
CR33-48B-F	21	533	17-1/2	446	20	508	53	1346
CR33-48C-F	21	533	21	533	20	508	53	1346
CR33-50/60C-F	24-1/2	622	21	533	23-5/8	600	56-5/8	2276

DIMENSIONS - INCHES (MM)

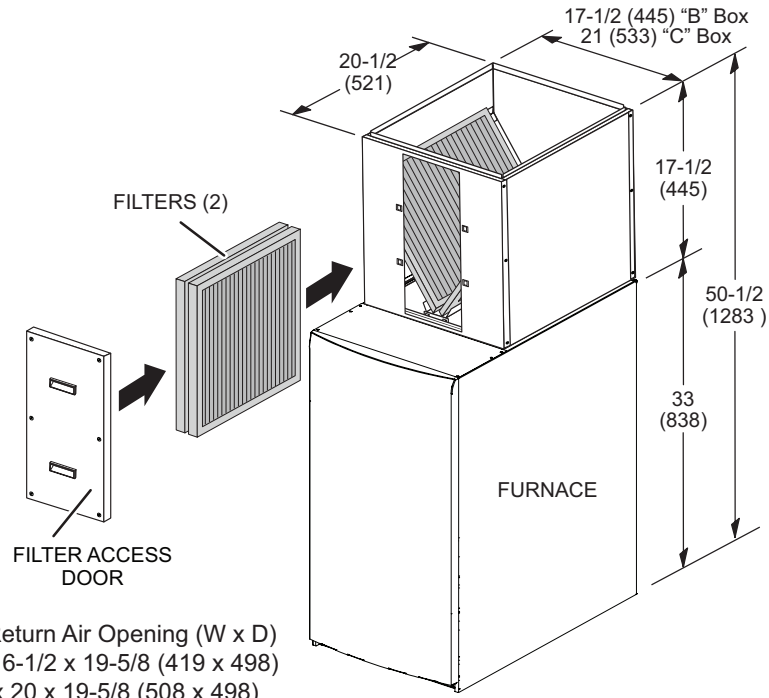


Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
EL195DF045P36B EL195DF070P48B	17-1/2	446	16-3/8	416	16	406
EL195DF090P60C EL195DF110P60C	21	533	19-7/8	505	19-1/2	495

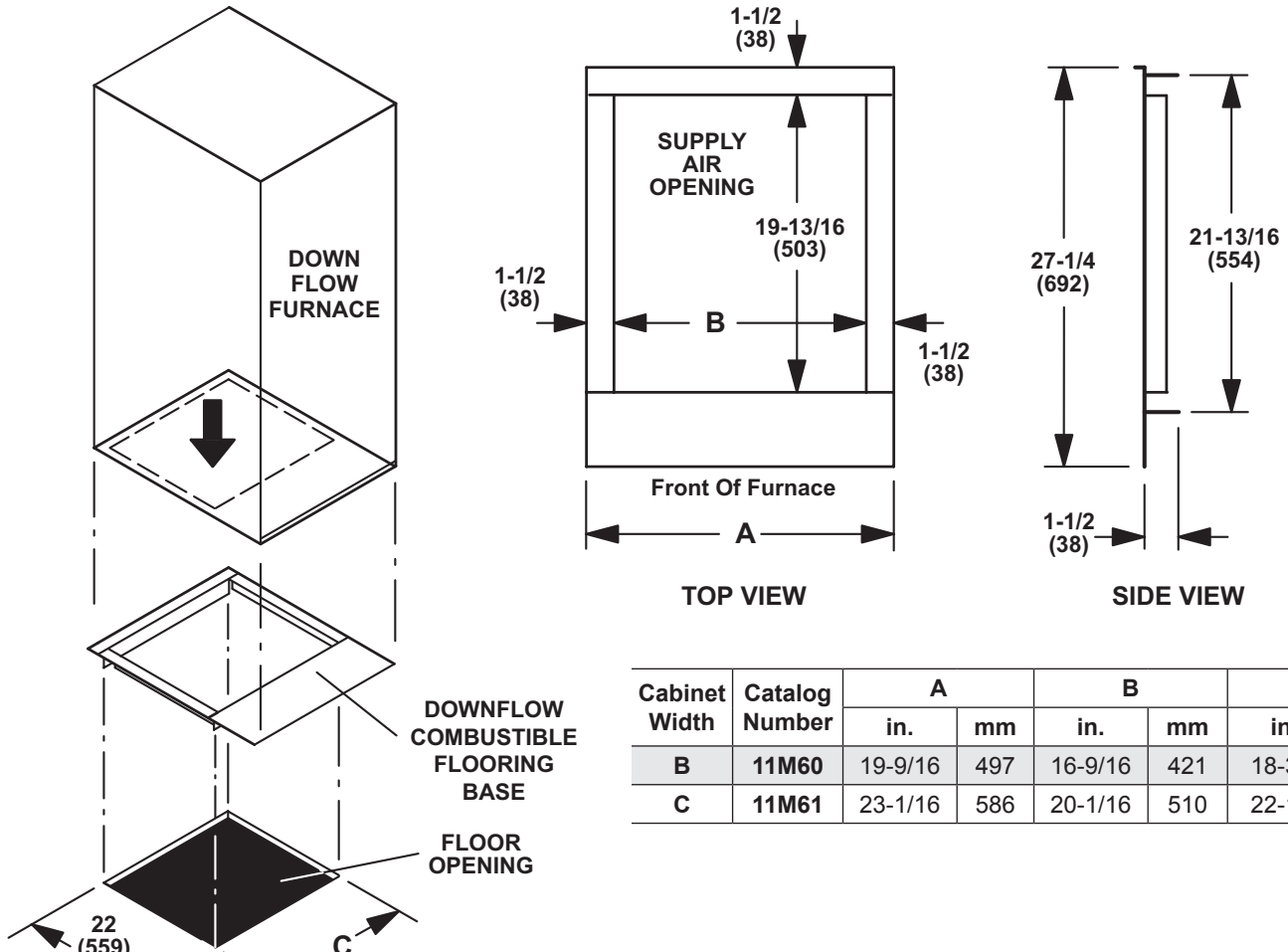
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

DOWNFLOW FILTER CABINET

**"B AND "C" WIDTH FURNACES
(Two Filters)**

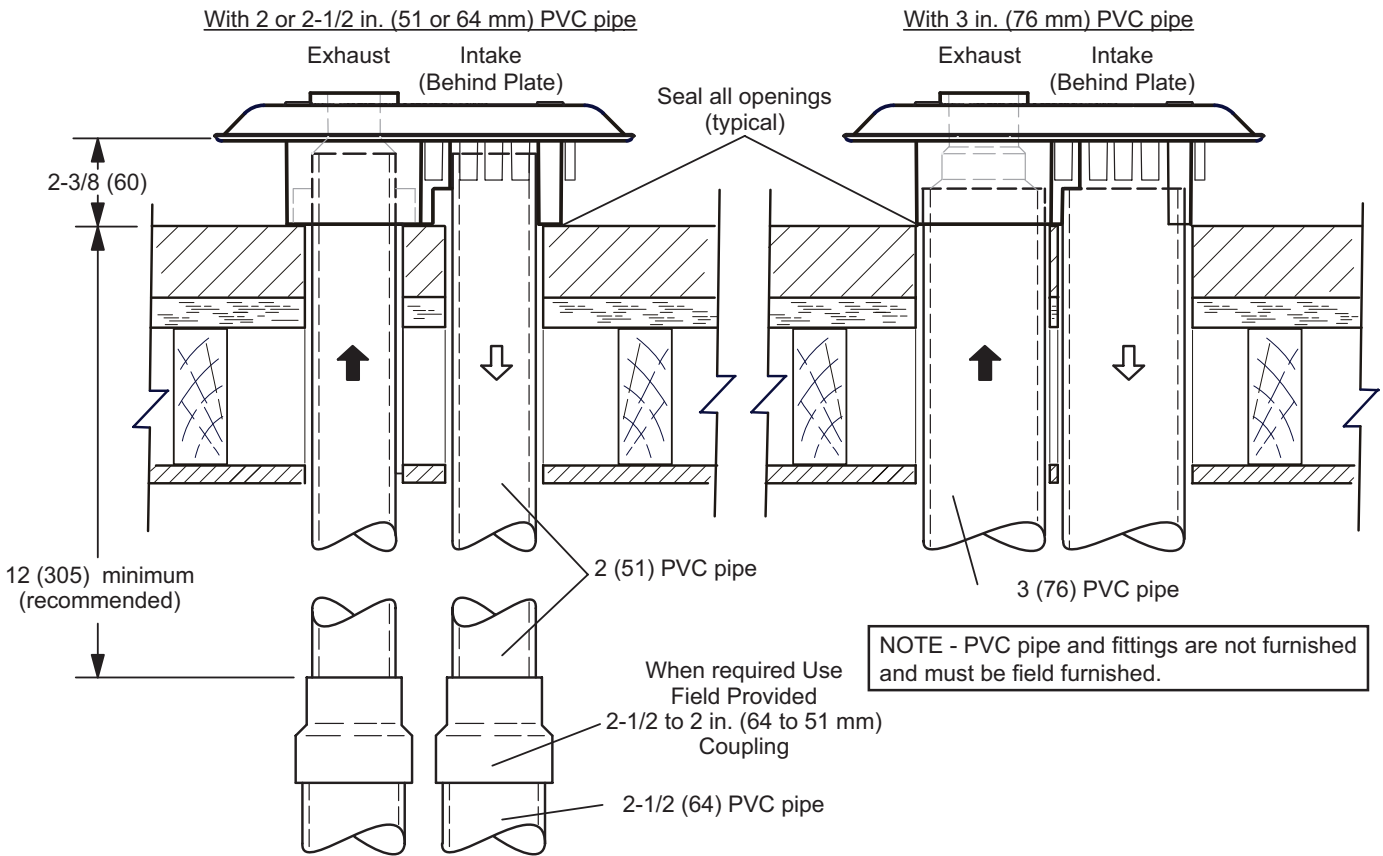
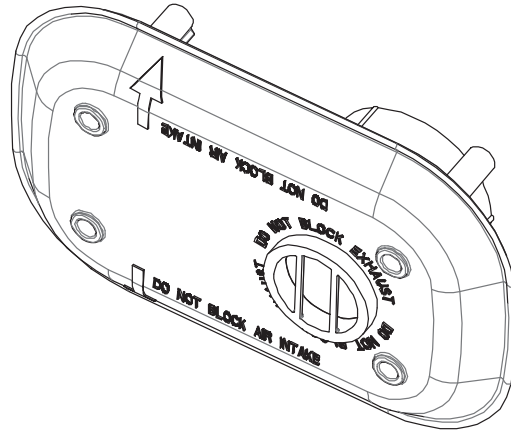


DOWNFLOW COMBUSTIBLE FLOORING BASE



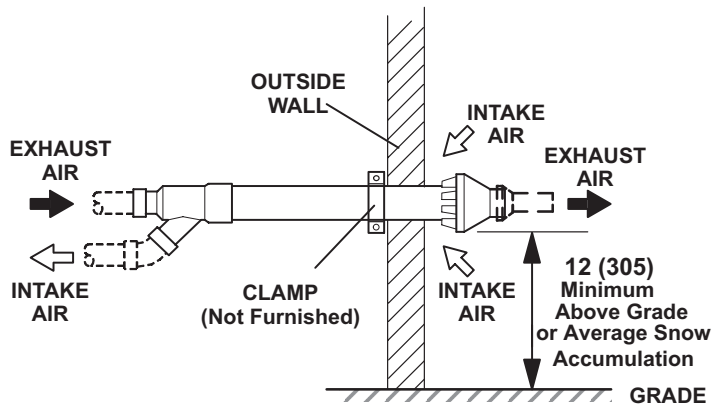
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

FLUSH-MOUNT VENT TERMINATION KIT (51W11)

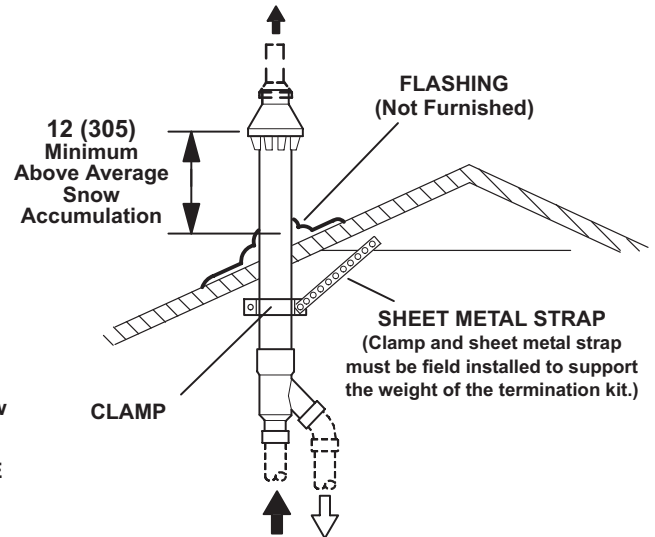


OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

CONCENTRIC WALL TERMINATION APPLICATIONS

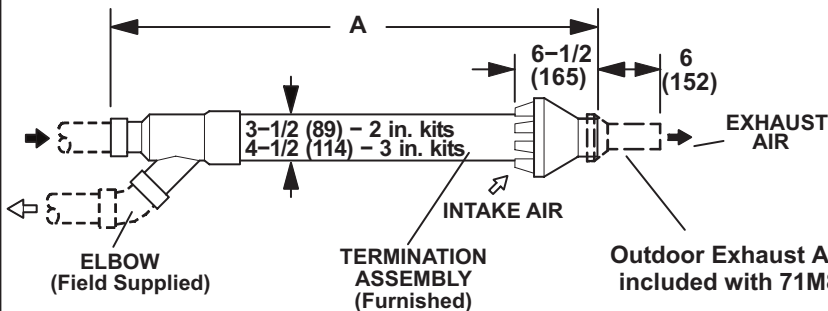


CONCENTRIC ROOF TERMINATION APPLICATIONS



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

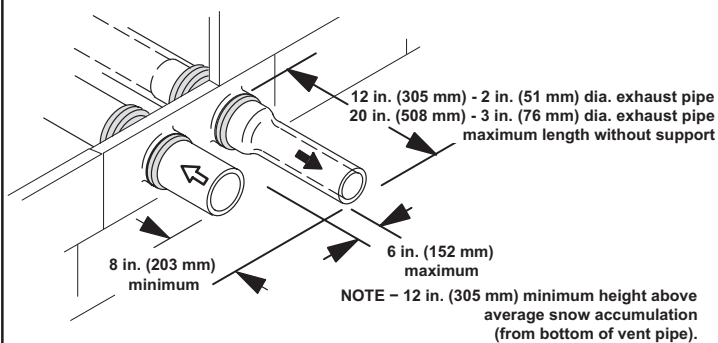
NOTE - Typical illustration for dimensions only. Design may vary depending on kit ordered.

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.

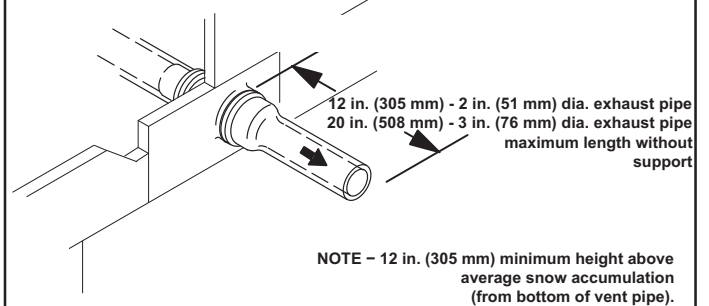
DIRECT VENT APPLICATION



NON-DIRECT VENT APPLICATION

NOTE - EXHAUST PIPE SHOWN

Kit Contains Enough Parts For Two Installations



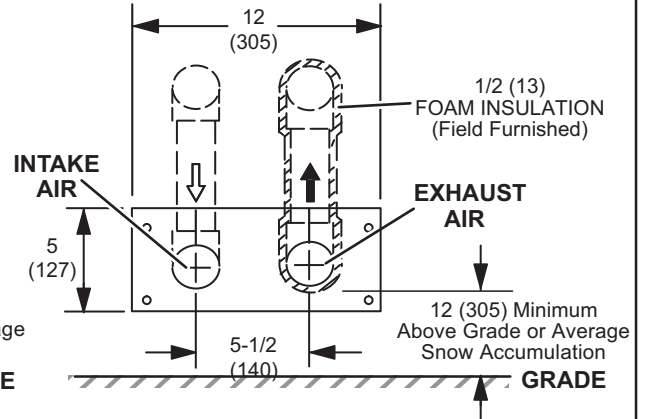
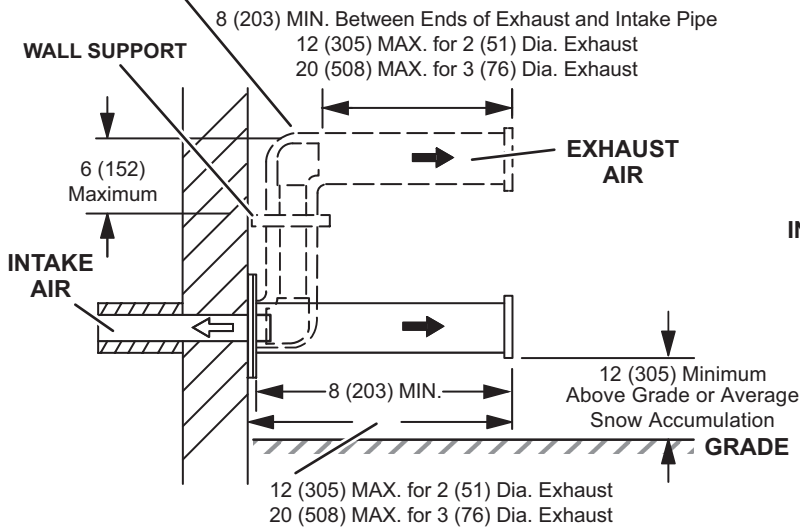
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

**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.

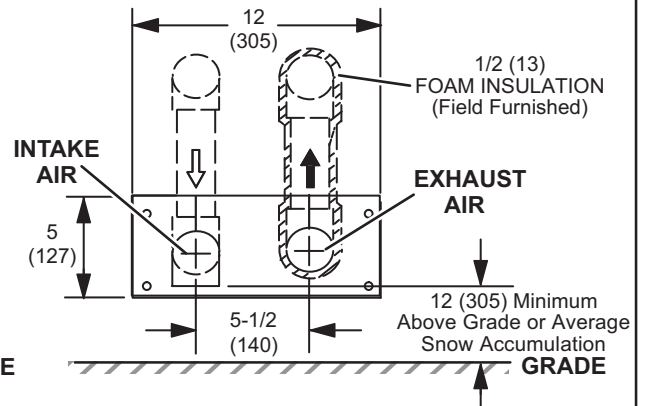
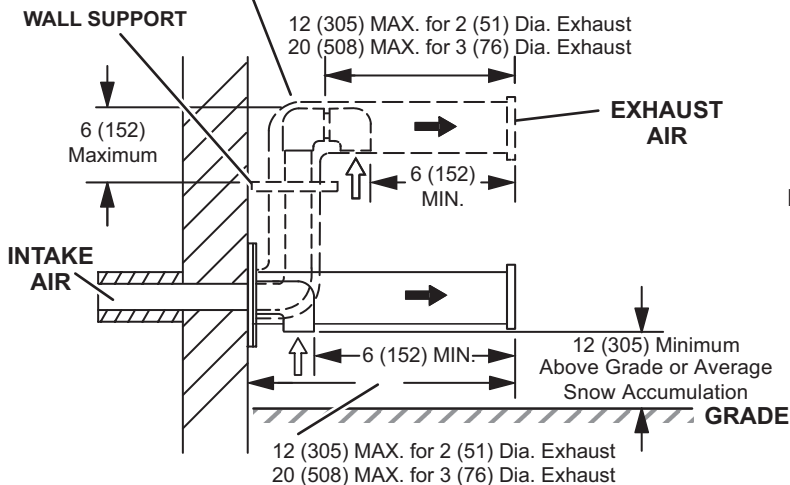


**WALL TERMINATION KITS (CLOSE-COUPLE)
EXTENDED VENT FOR GRADE CLEARANCE
2 inch (51 mm) 30G28 (WTK Canada)
3 inch (76 mm) 81J20 (WTK Canada)**

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.



BLOWER DATA

EL195DF045P36B PERFORMANCE (Less Filter)

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	1615	650	1385	555	1205	465	1045	390
0.10	1605	640	1380	545	1195	455	1035	380
0.20	1500	620	1345	525	1165	445	1015	370
0.30	1450	590	1290	490	1125	420	975	365
0.40	1350	560	1235	480	1090	405	920	345
0.50	1300	545	1170	450	1035	380	880	330
0.60	1195	500	1095	425	990	365	840	320
0.70	1140	480	1020	395	895	345	780	300
0.80	1025	450	920	370	840	330	695	270
0.90	945	430	800	335	700	290	605	250

EL195DF090P60C PERFORMANCE (Less Filter)

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	2305	1255	2145	950	1900	810	1515	670
0.10	2295	1240	2135	940	1885	795	1500	665
0.20	2200	1220	2085	915	1865	775	1525	655
0.30	2160	1210	1990	875	1830	755	1545	640
0.40	2055	1170	1935	865	1790	725	1530	620
0.50	1970	1130	1855	835	1705	700	1500	600
0.60	1890	1105	1765	805	1635	675	1495	580
0.70	1775	1075	1680	785	1565	655	1430	560
0.80	1690	1050	1590	760	1485	630	1370	540
0.90	1580	1010	1485	735	1405	610	1270	510

EL195DF070P48B PERFORMANCE (Less Filter)

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	1885	935	1830	815	1810	720	1700	640
0.10	1850	910	1805	795	1785	705	1680	630
0.20	1775	890	1750	775	1710	690	1620	610
0.30	1715	870	1685	755	1640	660	1575	595
0.40	1645	855	1620	735	1595	650	1495	575
0.50	1575	835	1525	715	1485	625	1440	555
0.60	1505	815	1450	690	1425	610	1360	540
0.70	1390	790	1360	675	1340	590	1270	525
0.80	1280	770	1270	650	1255	570	1210	505
0.90	1200	740	1185	635	1160	550	1090	485

EL195DF110P60C PERFORMANCE (Less Filter)

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	2375	1250	2205	915	1975	785	1630	640
0.10	2365	1235	2195	905	1960	775	1625	635
0.20	2275	1200	2125	890	1950	760	1635	625
0.30	2200	1180	2060	880	1900	735	1620	610
0.40	2115	1150	1995	850	1845	710	1620	600
0.50	2040	1115	1940	835	1795	695	1585	580
0.60	1955	1090	1855	810	1745	670	1540	565
0.70	1860	1070	1730	765	1640	650	1515	550
0.80	1735	1030	1620	740	1590	620	1415	535
0.90	1640	1010	1535	715	1480	600	1330	510

REVISIONS

Sections	Description of Change
Optional Accessories	Removed Night Service Kit.



Visit us at www.lennox.com

For the latest technical information, www.lennoxdavenet.com

Contact us at 1-800-4-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

©2011 Lennox Industries, Inc.