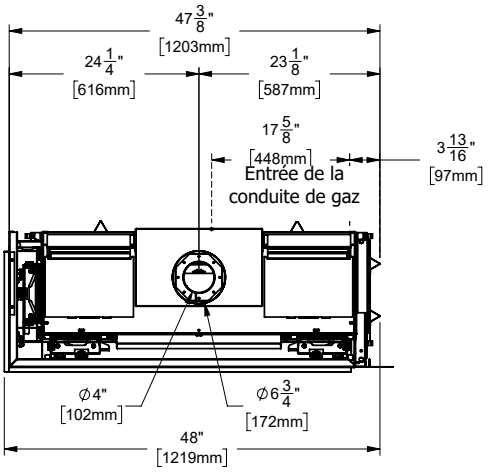
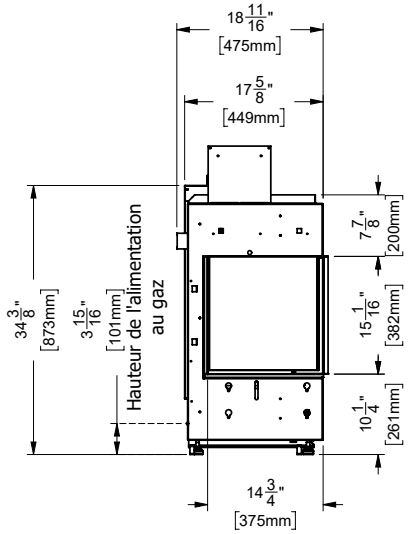
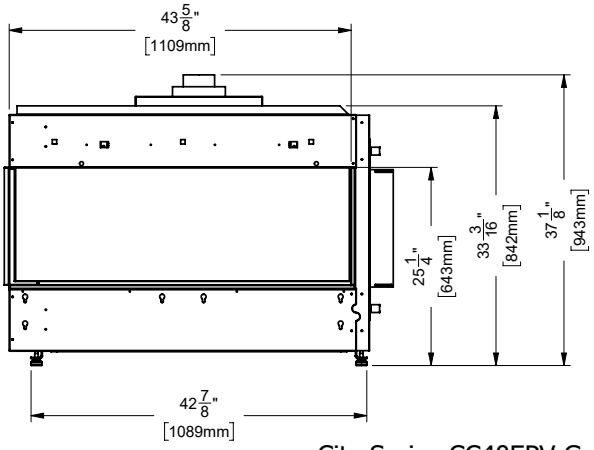
CITY SERIES CC40EPV GAS FIREPLACE

Model	CC40EPV-NG	CC40EPV-LP
Fuel Type	Natural Gas	Propane
Minimum Supply Pressure	5" W.C. (1.25 kPa)	11" W.C. (2.73 kPa)
Manifold Pressure - High	3.8" W.C. (0.94 kPa)	10.5" W.C. (2.62 kPa)
Manifold Pressure - Low	1.1" W.C. (0.27 kPa)	2.9" W.C. (0.72 kPa)
Orifice Size -Altitude 0-4500 ft.	#42 DMS	#53 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	15,500 BTU/h (4.54 kW)	15,500 BTU/h (4.54 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	28,500 BTU/h (8.33 kW)	28,500 BTU/h (8.33 kW)
Vent Sizing	4" Inner / 6-5/8" Outer	4" Inner / 6-5/8" Outer
CSA P.4.1	60.02%	60.85%

DIMENSIONS - LEFT CORNER







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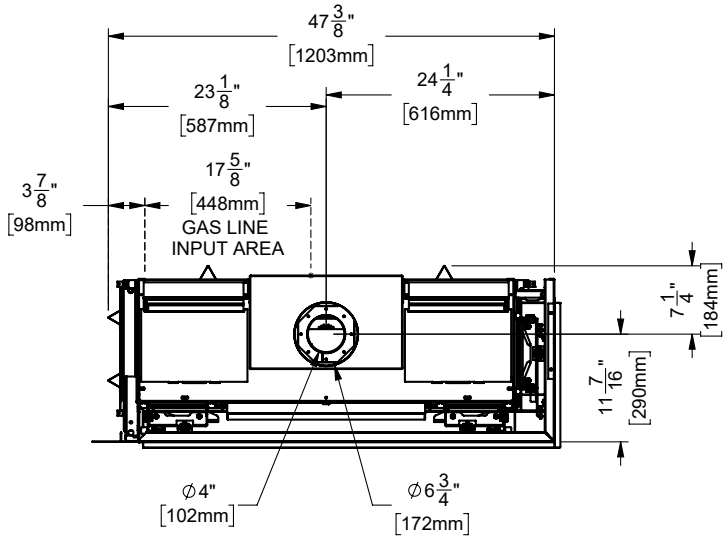
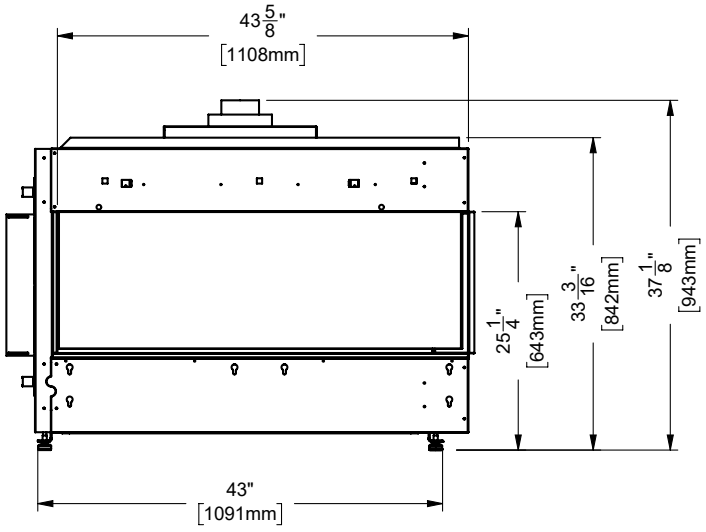
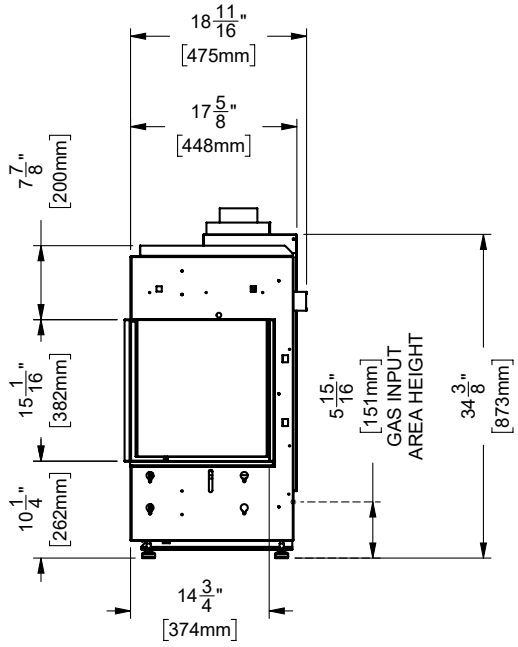






Note: Height Dimension may vary depending on the height of the leveling legs.

Dimensions will appear as (inches)" / (metric)mm throughout this manual. The inches are rounded to the nearest 1/16" when converted, when greater accuracy is required, use the metric dimensions.

Note: These units are non-load bearing.

CLEARANCES

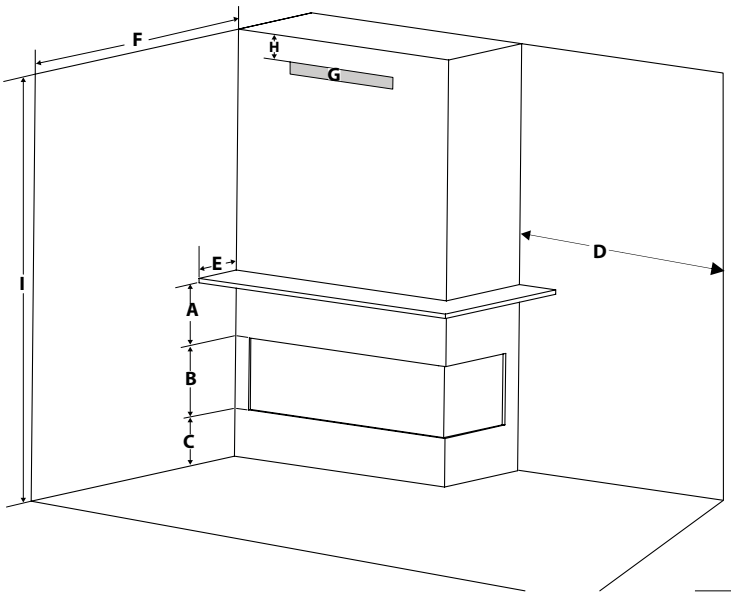
The clearances listed below are minimum distances unless otherwise stated.
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

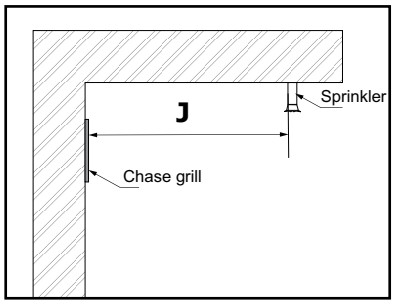
Note: CC40LE shown in illustration. Clearances will be the same for the CC40RE.

Clearance: single sided	Dimension	Measured From:
A: Mantel Height (min.)	**	Top of Fireplace Opening
B: Opening Height	15-1/16" (382mm)	Bottom/Top of Fireplace Opening
C: From Floor	Min. 0"	Bottom of Fireplace Opening
D: Sidewall (on one side)	Min. 36" (914mm)	Side of Fireplace Opening
E: Mantel Depth (Max.)	**	Front of Fireplace Opening
F: Alcove Depth	Min. 36" (914mm)	Front of Fireplace Opening
G: Convection Air Outlet	*	Top of Enclosure
H: Convection Air Outlet Opening Offset	0-3" (76mm)	Max. offset from top of chase enclosure
I: Chase Enclosure (Min.)	63" (1600mm)	From Base of Unit
J: Clearance to Sprinkler Head (Min.)	36" (914mm)	Perpendicular from chase grill
Hearth	0"	No hearth required
** See mantel clearances chart in this guide.		

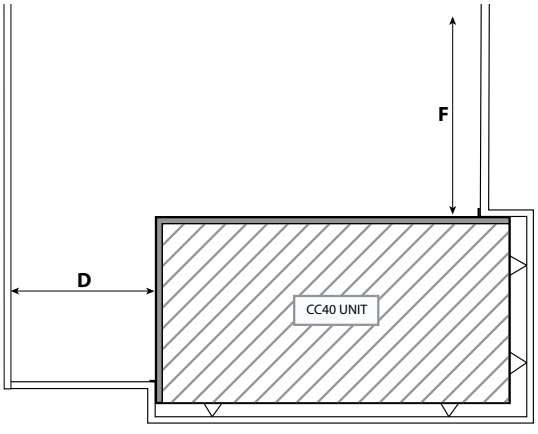
Flue Clearances to Combustibles	
Horizontal - Top	3"
Horizontal - Side	2"
Horizontal - Bottom	2"
Vertical	2"
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2"

**A minimum of 120 square inches of open area, not lower than 3" from top of enclosure, required for all installations*





Side view



Top View Alcove

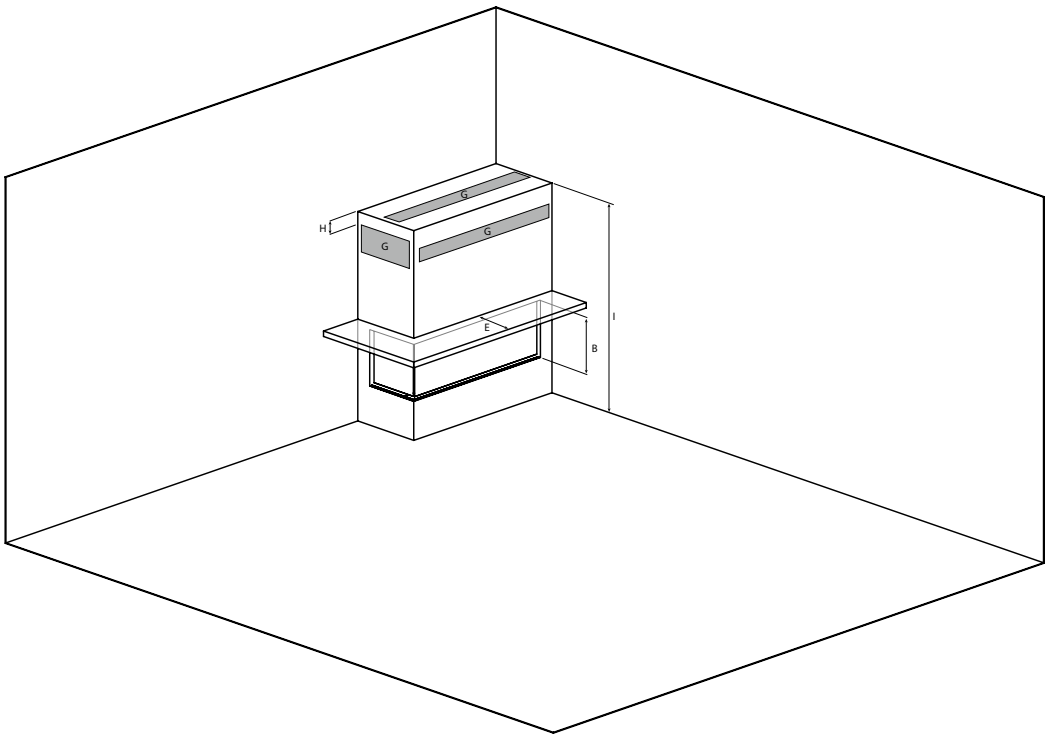
Heat Wave

The ***HeatWave*** Duct Kit has different clearance and framing requirements, check the ***HeatWave*** manual for details.

Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

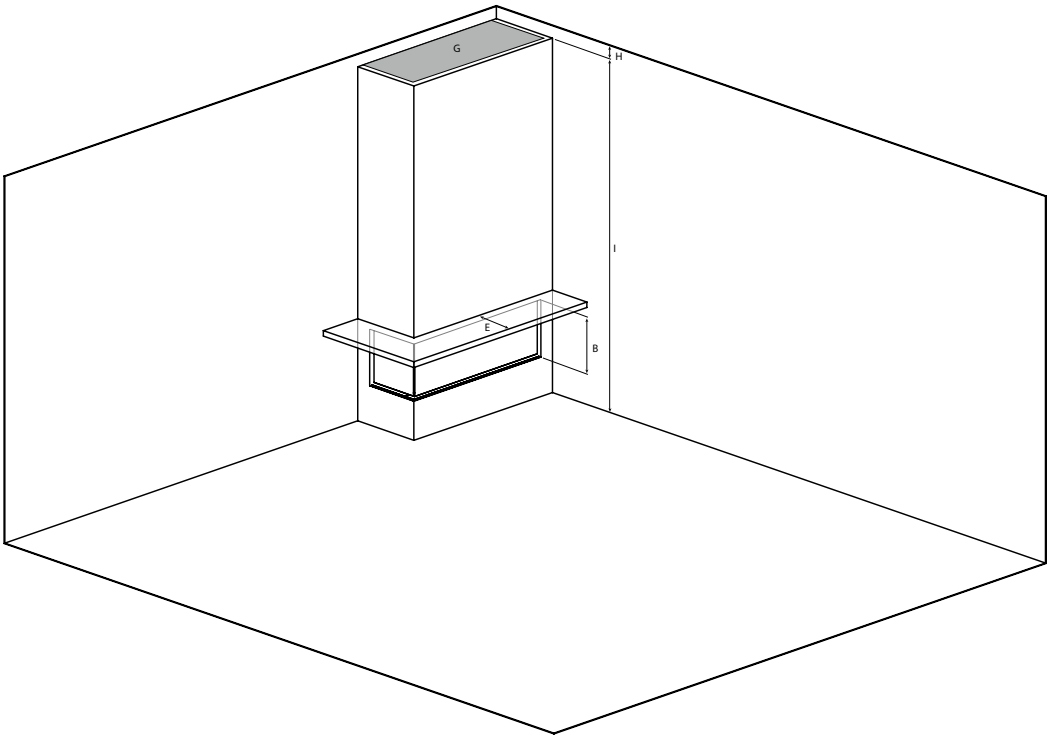
WARNING
Fire hazard is an extreme risk
if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

CLEARANCES



CC40LE shown

Low framing with vents in front/sides or top
Note: Ventilation opening may never be on one side only.

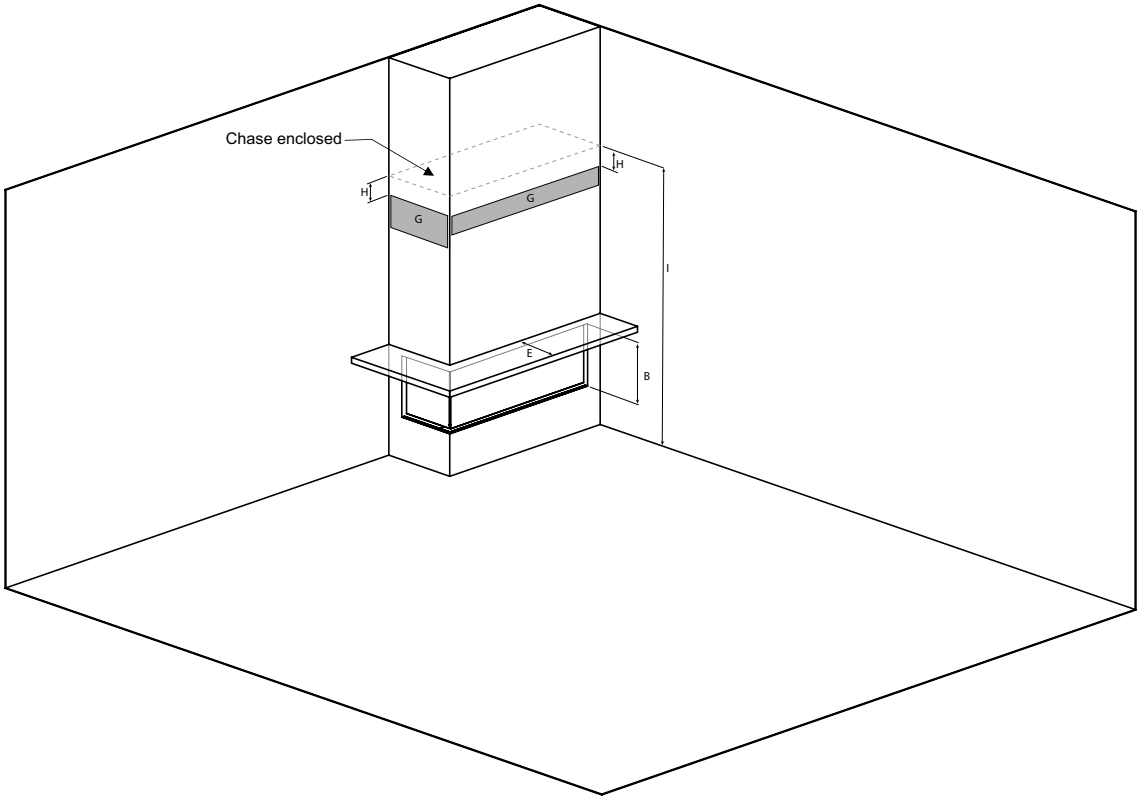


Note: The ventilation opening may only be placed above, on side/front and in front as shown above and on the next page.
Ventilation grills can never be placed behind the appliance.

CC40LE shown

Floor to ceiling with top opening

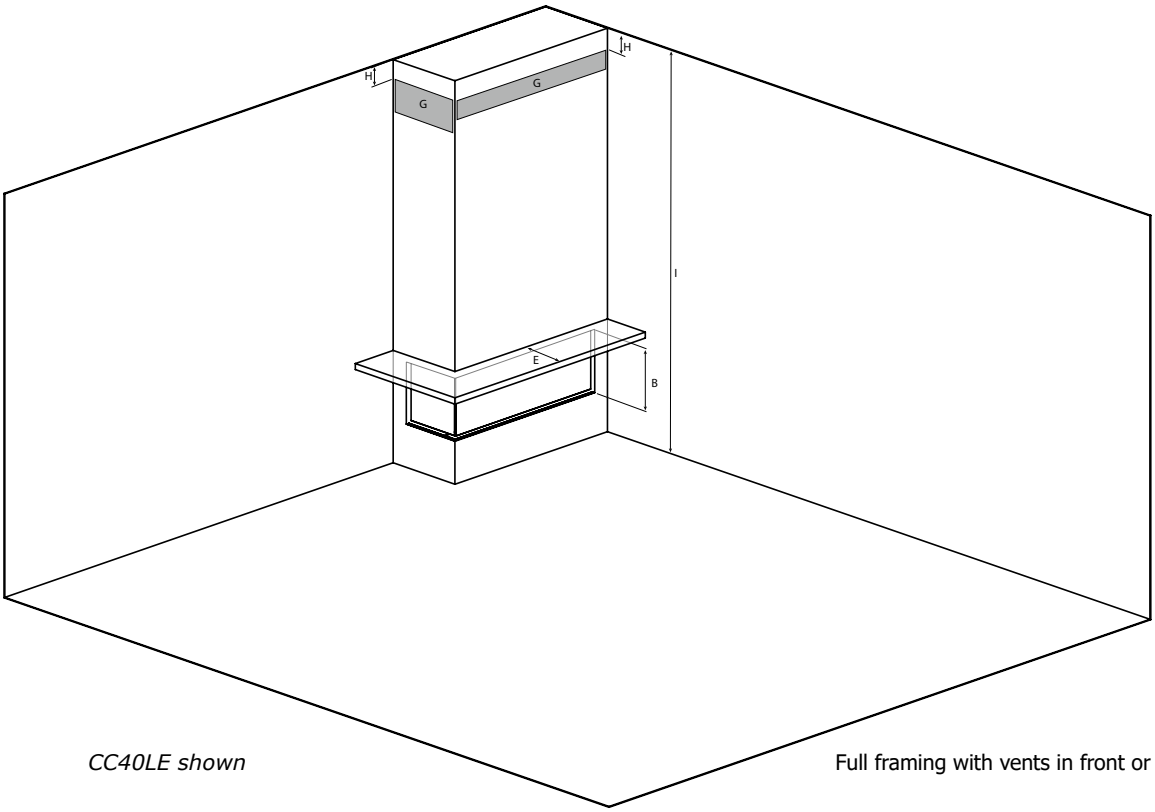
CLEARANCES



CC40LE shown

Full framing with low vents in front or sides

Note: Ventilation opening may never be on one side only.

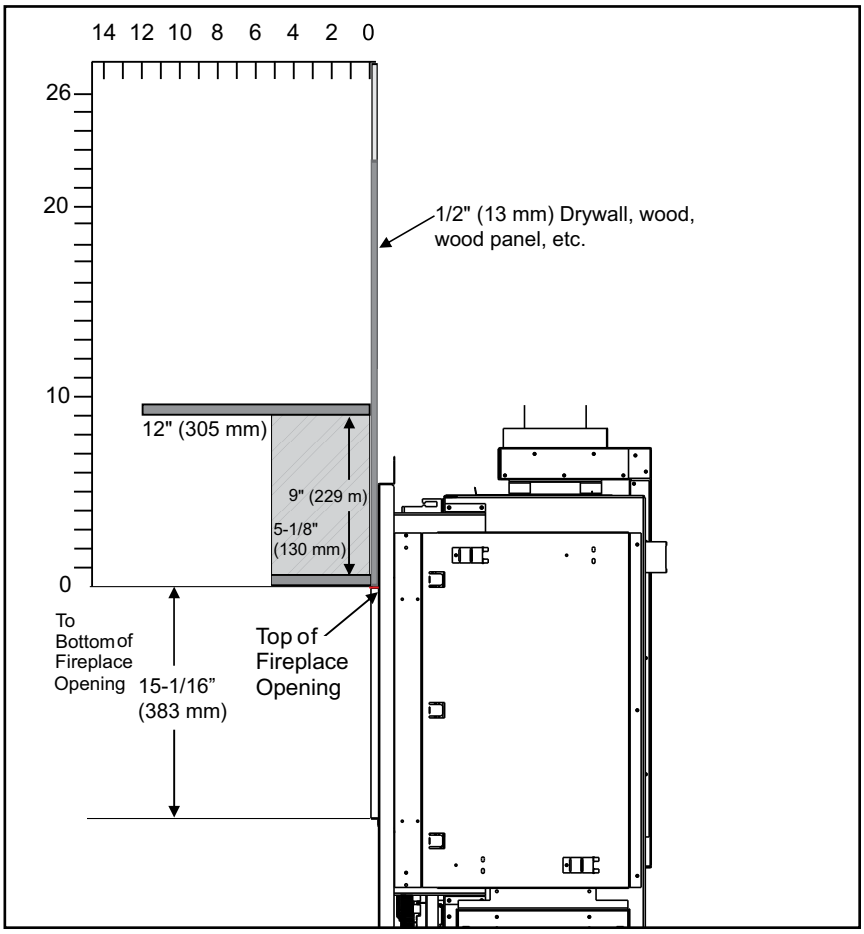


CC40LE shown

Full framing with vents in front or sides

MANTEL CLEARANCES

Combustible mantel clearances from top of front facing are shown in the diagram on the right.



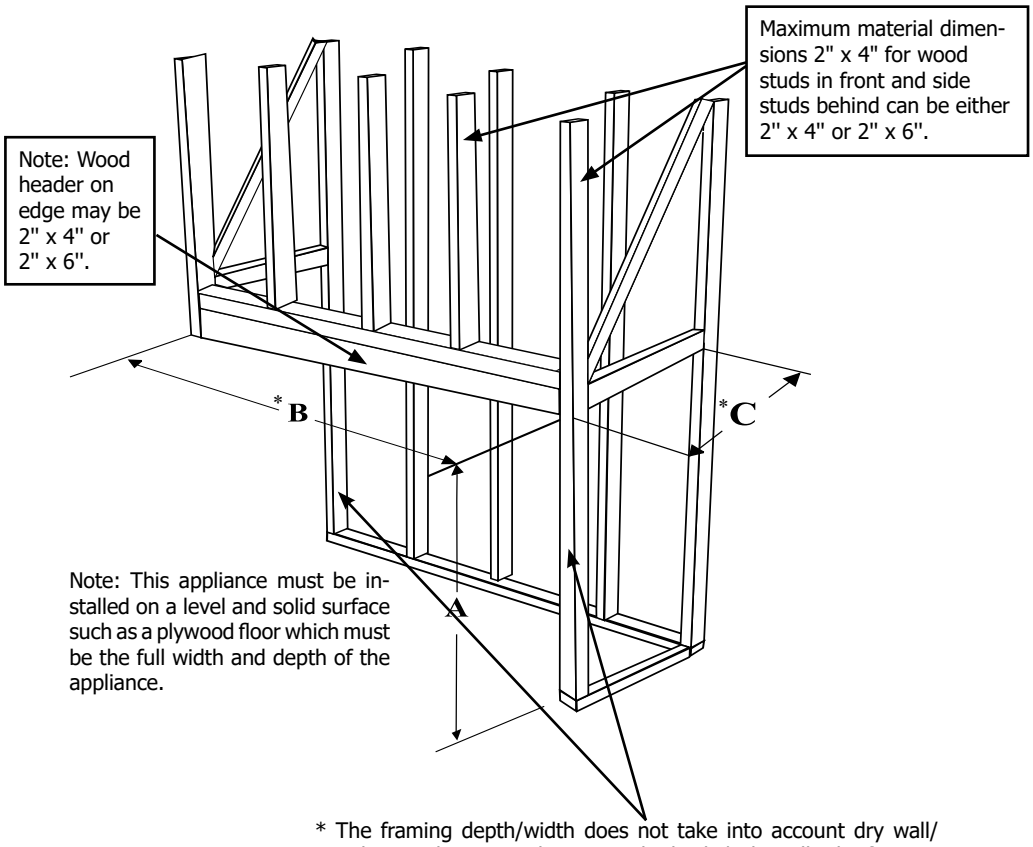
FRAMING DIMENSIONS - LEFT CORNER

NOTE: Framing may be constructed of combustible material (ie. 2 x 4)and does not require steel studs.

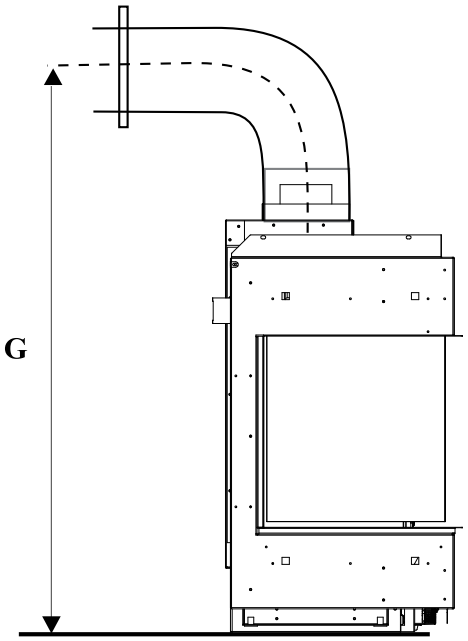
Framing Dimensions	Description	CC40LE
A	Framing Height	37-3/8″ (949mm)
B**	Framing Width	48-1/4" (1226mm)
C**	Framing Depth	19" (483mm)
D	Unit Base to Top Enclosure (Min.)	63"(1600mm)
G*	Vent Centerline Height	45-1/2" (1156mm)
* **Important:** Minimum overall vent run must be 4 feet. Even though centerline is 45 1/2", if appliance is framed at minimum depth, the 4 feet of vent run could not be obtained. Center line will need to be increased in height in order to achieve a minimum vent run of 4 feet.		

Note: A combined minimum of 120 square inches of open area is required for the convection air outlet to cool the enclosure. Ensure clearances for Convection Air Outlets are met.
See clearances CC40LE/CC40RE (single sided) in this manual as there are different methods as to how this can be achieved.

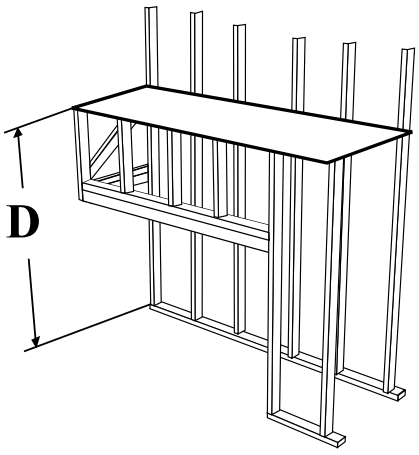
NOTE: Unit cannot be load-bearing. All finishing materials must be supported by the framing.



Note: This appliance must be installed on a level and solid surface such as a plywood floor which must be the full width and depth of the appliance.



* The framing depth/width does not take into account dry wall/ wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: B - 48 1/4" framing width +1/2" drywall = 48 3/4")
(example: C - 19" framing depth +1/2" drywall = 19 1/2")



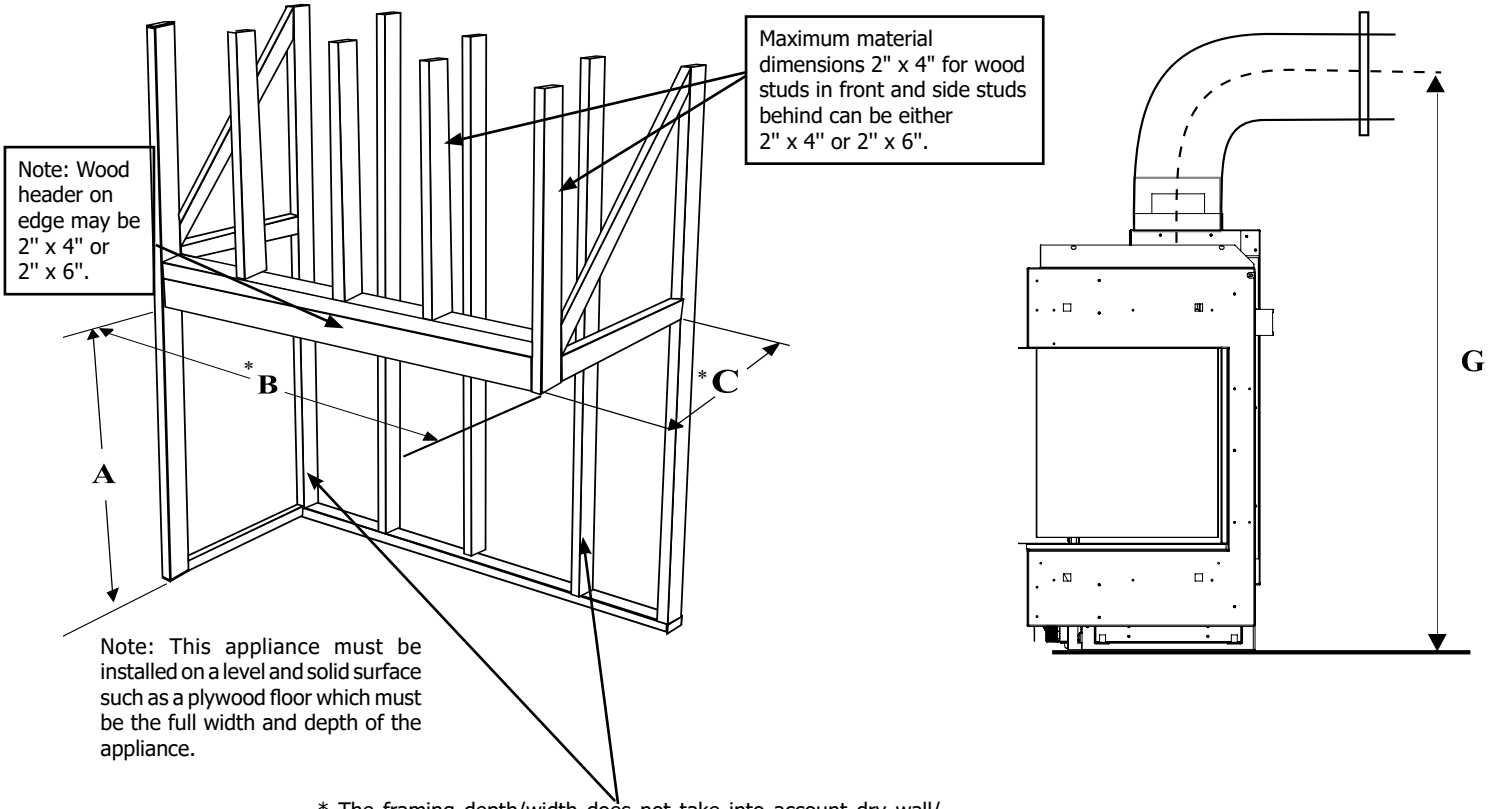
FRAMING DIMENSIONS - RIGHT CORNER

NOTE: Framing may be constructed of combustible material (ie. 2 x 4)and does not require steel studs.

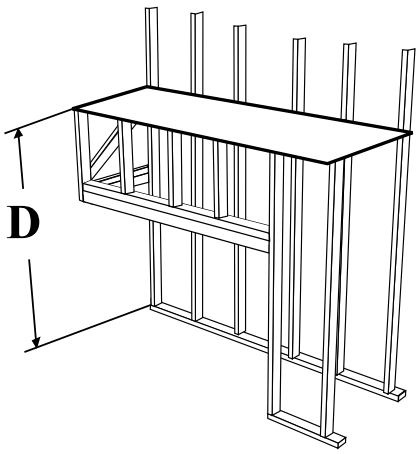
Framing Dimensions	Description	CC40RE
A	Framing Height	37-3/8″ (949mm)
B**	Framing Width	48-1/4" (1226mm)
C**	Framing Depth	19" (483mm)
D	Unit Base to Top Enclosure (Min.)	63"(1600mm)
G*	Vent Centerline Height	56-1/4" (1429mm)
* **Important:** Minimum overall vent run must be 4 feet. Even though centerline is 45 1/2", if appliance is framed at minimum depth, the 4 feet of vent run could not be obtained. Center line will need to be increased in height in order to achieve a minimum vent run of 4 feet.		

Note: A combined minimum of 120 square inches of open area is required for the convection air outlet to cool the enclosure. Ensure clearances for Convection Air Outlets are met.
See clearances CC40RE (in this manual) as there are different methods as to how this can be achieved.

NOTE: Unit cannot be load-bearing. All finishing materials must be supported by the framing.



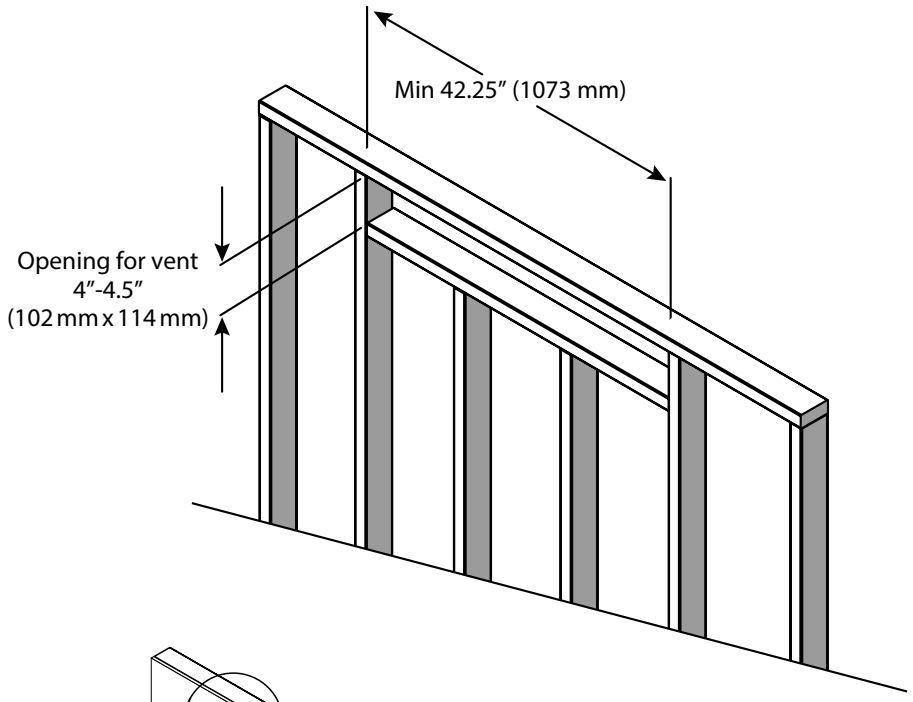
* The framing depth/width does not take into account dry wall/ wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: B - 48 1/4" framing width +1/2" drywall = 48 3/4")
(example: C - 19" framing depth +1/2" drywall = 19 1/2")

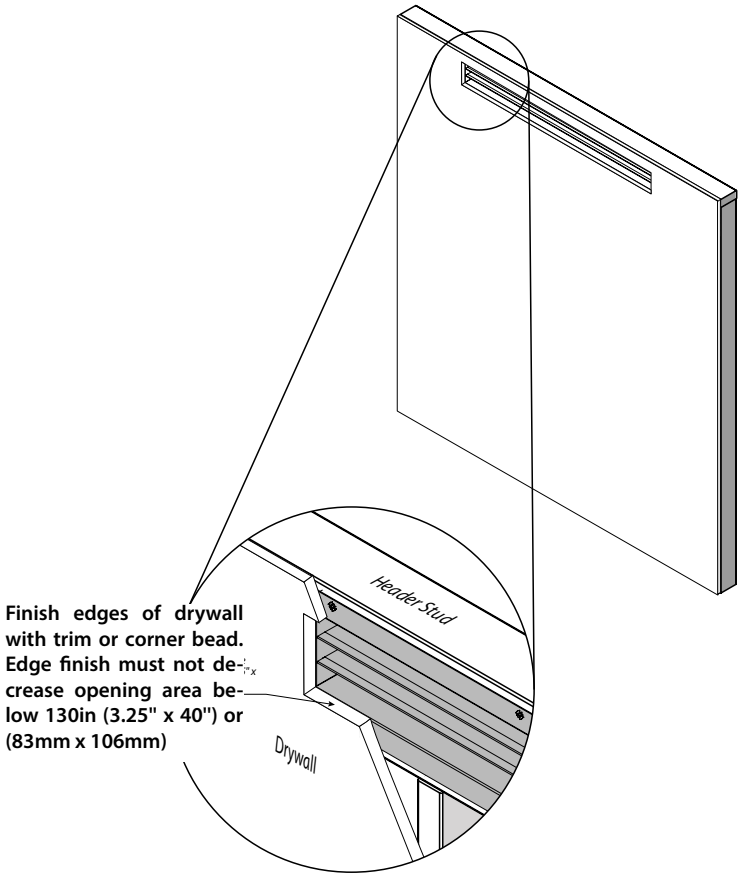


OPTIONAL FLUSH FRONT CHASE VENT INSTALLATION - PART #657-991 (WHITE)

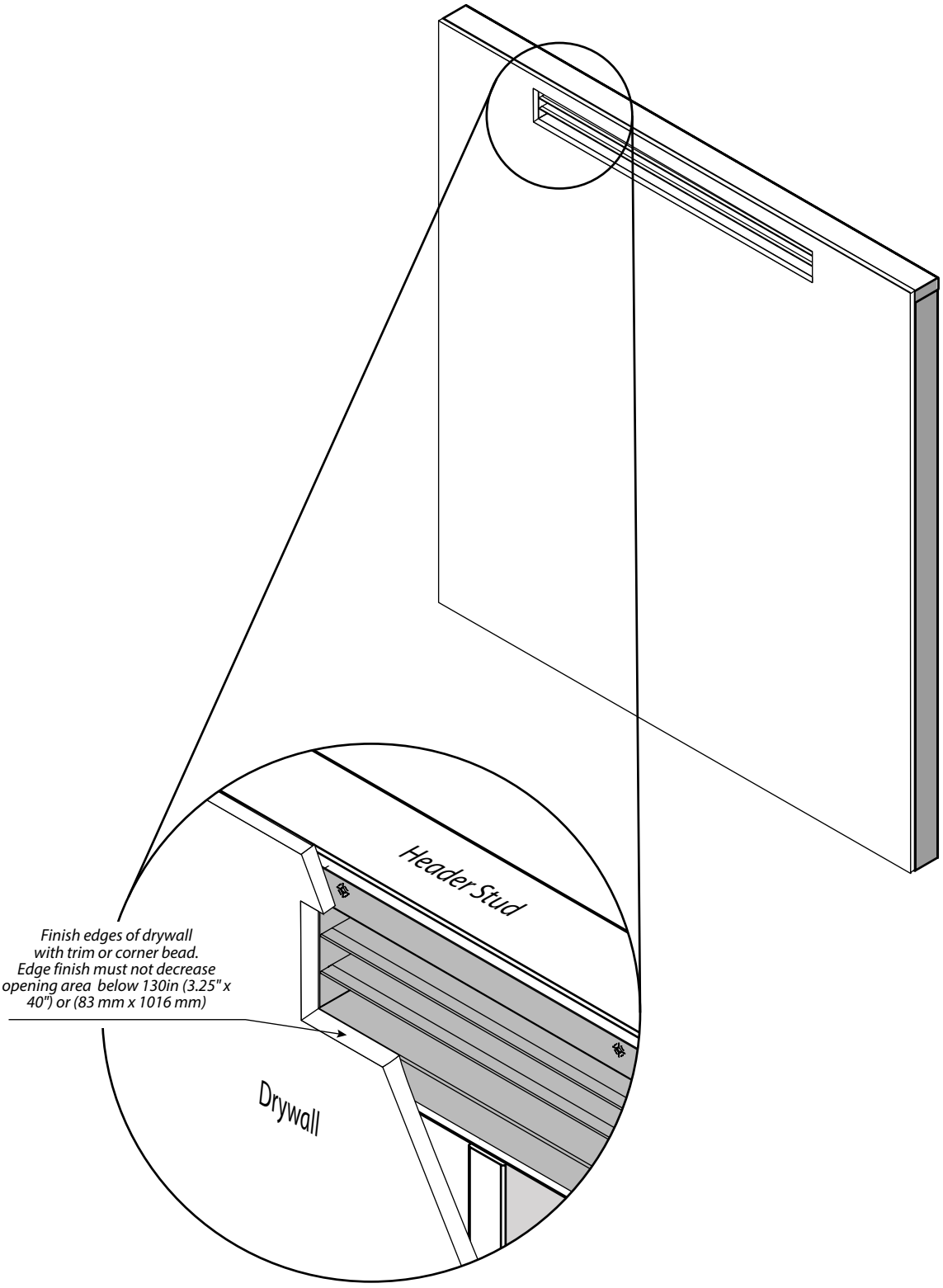
This optional flush front chase vent grill is designed so that only the grills are exposed. The 4 flanges in front which secure the chase vent grill to the stud work is covered by the drywall to give a seamless look.

Framed opening must be between 4" (102 mm) and 4.5" (114 mm) tall, and at least 42.25"(1073 mm) wide to accommodate the chase vent. The top of the chase vent opening must be 3" or less from the top of the chase enclosure.

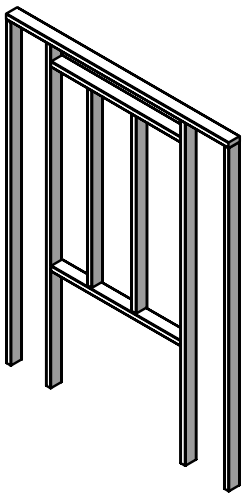




Finish edges of drywall with trim or corner bead. Edge finish must not decrease opening area below 130in (3.25" x 40") or (83mm x 106mm)

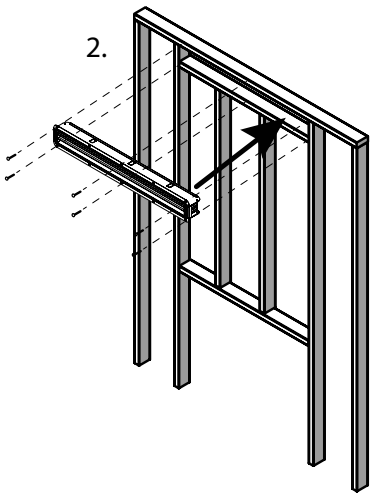

Header Stud
Finish edges of drywall
with trim or corner bead.
Edge finish must not decrease
opening area below 130in (3.25" x
40") or (83 mm x 1016 mm)
Drywall

1.



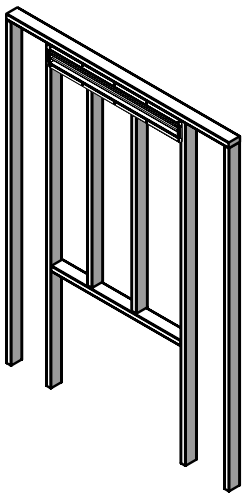
Frame opening for vent
(See Vent Framing Clearances Page)

2.



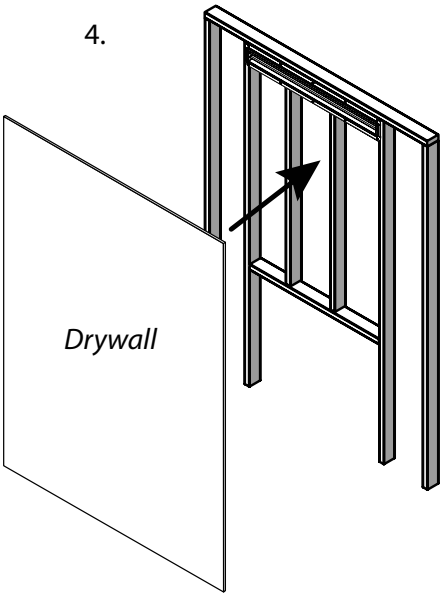
Screw Chase vent to Framing

3.



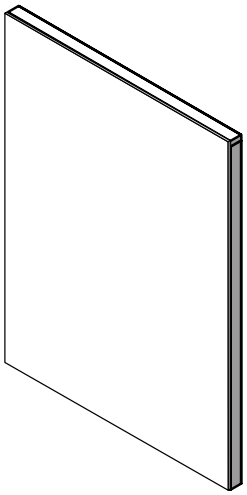
Use at least 3 sets of screws
to keep the vent flat against framing

4.



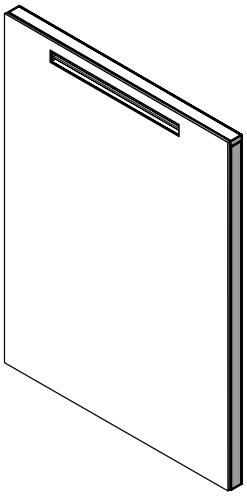
Frame wall with finishing material

5.



If necessary, mark where the
chase vent is located before
fixing drywall in place

6.



Cut hole in finishing material
around inside of chase vent.
Finish edges around opening

WALL BOARD/DRYWALL INSTALLATION

WARNING! Risk of Fire! Comply with all minimum clearances to combustibles as specified.

Finishing Instructions
It is important to follow the framing and finishing instructions to ensure proper placement of fireplace into the surrounding framing/finishing materials. Wall board materials 1/2 in. thick are specified in this installation manual to properly align with the optional finishing methods offered with this appliance. The CC40LE/CC40RE may be finished to the appliance opening with 1/2 inch thick drywall.
• Ensure that the back and side clearances are maintained.

WARNING! Risk of Fire! Maintain specified air space clearances to combustibles. Inadequate air space could cause overheating and fire.

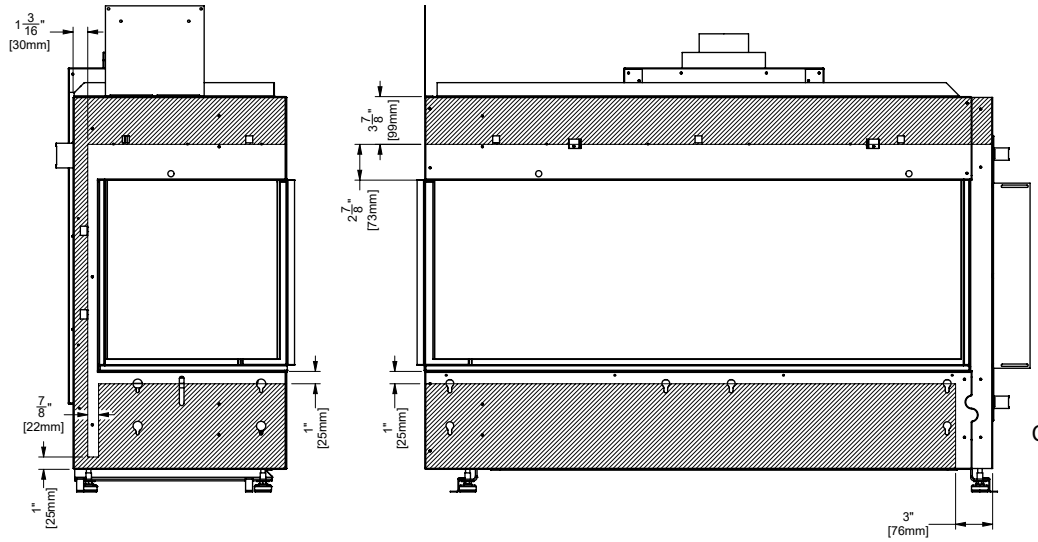
DO NOT use screws more than 3/4 inch in length on the lower access cover panel. Longer screws may penetrate gas line or damage valve or electrical components.
Note: It is acceptable to use a high temperature silicone sealant to adhere drywall to lower access cover panel.

The appliance is designed to be used with 1/2 in. wall sheathing materials such as drywall, plywood, wood composites, or non-combustible materials. Thicker materials may be used. Refer to facing and finishing details in this manual.

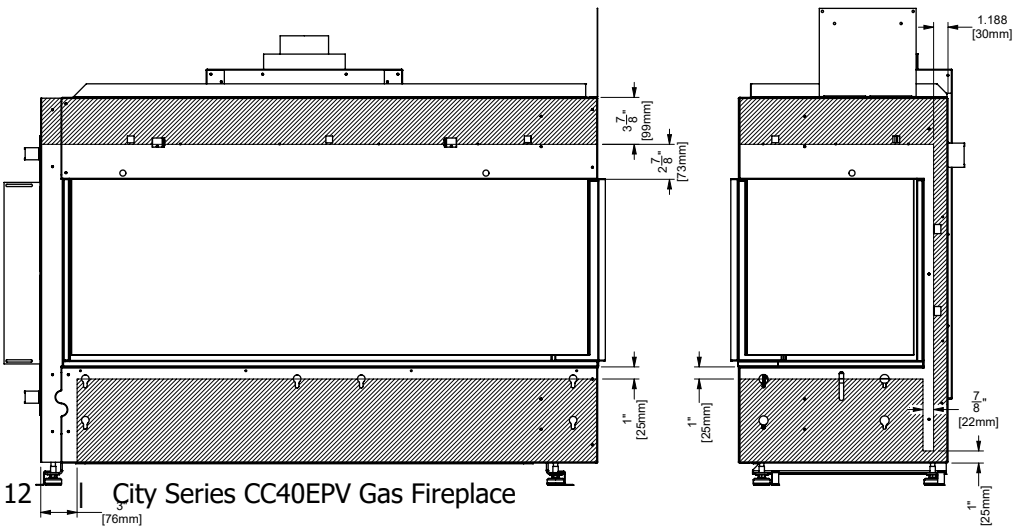
Facing Material
• Facing and/or finishing materials must never overhang into the glass opening.
• Facing materials may be combustible or non-combustible

WARNING! Risk of Fire! DO NOT apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles as specified in this manual. Overlapping materials could ignite and will interfere with proper operation.

PAINTING
If desired finishing includes a painted wall, 100% acrylic latex, oil-based or standard acrylic paints may be used.
Follow paint manufacturer's instructions for paint and primer application.



CC40LE - screws in shaded area only



CC40RE - screws in shaded area only

FRAMING AND FINISHING INSET INSTALLATIONS

1. Frame in the enclosure for the unit with framing material

Note: When constructing the framed opening ensure there is sufficient access to install the gas lines,electrical. Also the wiring harness must be wall mounted using the receptacle provided with the appliance. The wiring harness will be located on the right hand side of the appliance if facing the unit from the front. This must be done prior to any finishing.

2. For exterior walls, insulate the enclosure to the same degree as the rest of the house, apply vapour barrier and drywall, as per local installation codes. (Do not insulate the fireplace itself.)

WARNING: Failure to insulate and add vapor barriers to the inside of the exterior wall will result in operational and performance problems including, but not limited to: excessive condensation on glass doors, poor flame package, carbon, blue flames etc. These are not product related issues.

3. **IMPORTANT:** The interior chase enclosure (top, back and sides), regardless of where appliance is placed within the home, requires the use of either drywall or other means such as insulation, plywood, wood studs, etc. to prevent heat from escaping anywhere above the enclosure. One of the following methods must be used to prevent the heat from escaping into the cavity of the enclosure.
   a. If choosing drywall, joints MUST be sealed using drywall tape and mud.
   b. Insulation, plywood, wood studs, etc. installed tightly with no gaps, seams.

   As this appliance has been designed with all hot air escaping through the chase enclosure ventilation grills only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs,or other openings within the enclosure above, this will change the clearances within the enclosure causing the enclosure to over heat. It is vital that all the hot air exits through the ventilation openings only. If using the optional heat wave kit, this does not reduce the size of the ventilation grill. The ventilation grill(s) must be a minimum 120 square inches regardless.

Note that in all applications while there is a zero clearance to combustibles to the unit, all clearances to combustibles from the venting inside the chase still applies. Please see venting clearances in the specific product manual.

4. Combustible material (drywall,wood,wood panels, etc.) may be brought up to this appliance (top,bottom and sides)

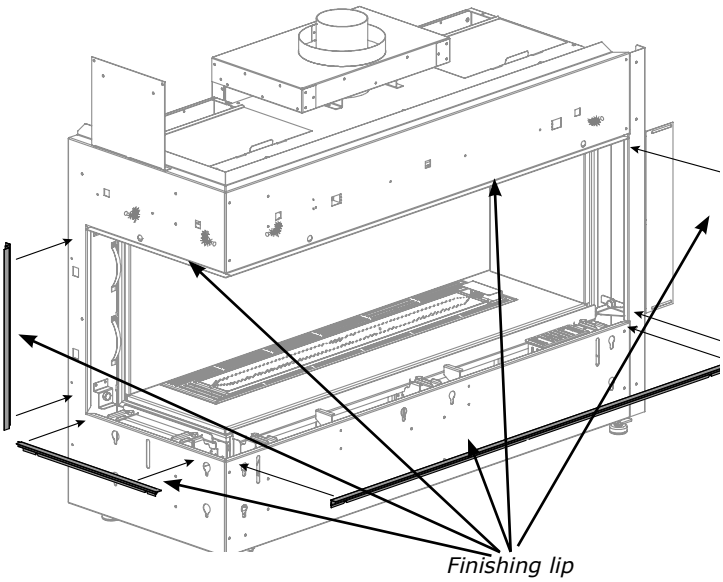
5. Ensure that the material being used does not encroach anywhere in the area of the glass. This would cause dangerous operating conditions.

6. This appliance comes with a 1/2" lip at top, sides and bottom to hide the ends of the drywall. The 1/2" side and bottom, front and bottom side lips supplied with the appliance can alternatively be removed and replaced with J Style Trim or Metal Corner Bead purchased at your local hardware store to cover cut/exposed edges of the combustible facing material or any other finishing materials being used. Six (6) screws secure the bottom front lip. Two (2) secure the bottom side lips and 2 secure the side if deciding to remove these. These will be hidden so the outer panels (if installed) will need to be removed to access the screws. See outer panel removal in this manual.

7. This appliance can also be recessed (using combustible materials) with a hearth in front of the appliance. This can also extend to the top. See below for details.

8. The wall behind the unit must be closed off.

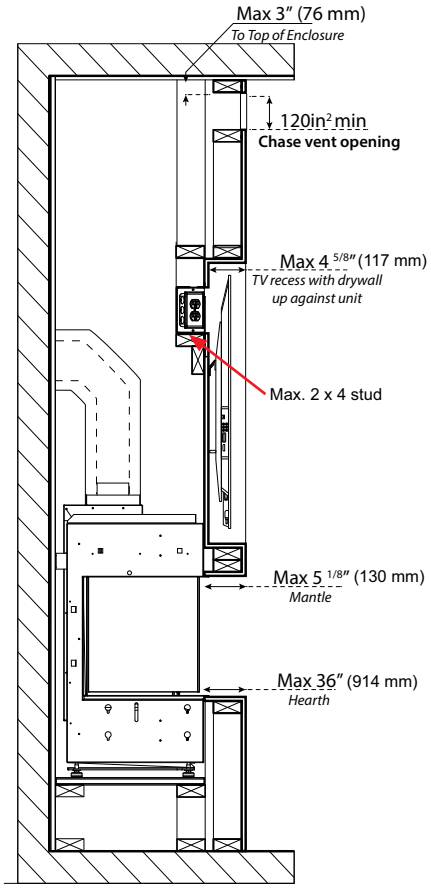
**Combustible material may extend a minimum of 1/2" and to a maximum of 2-1/2" from the Front top and open side faces of the appliance. If 2-1/2" is insufficient non combustible material may be used instead of combustible to extend the finished material further out or alternatively be staggered if using combustible materials. See mantle clearance chart for details. The base and closed side have no limit when it comes to how far the combustible material may extend out from the appliance.



Note: an offset screwdriver is provided with the appliance for ease of removal/ installation.

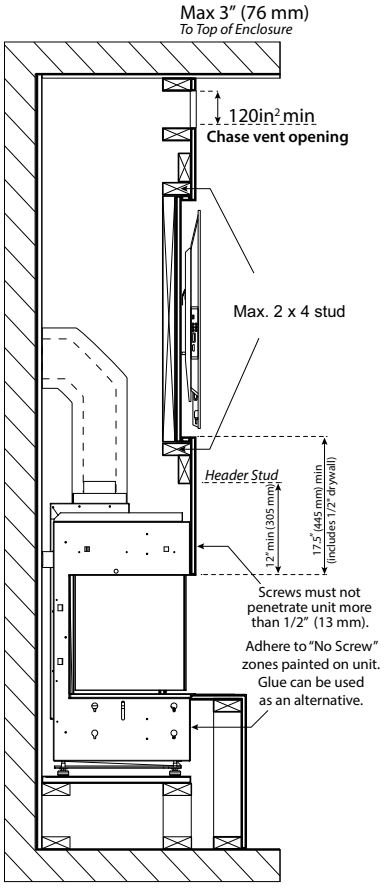
TV RECESSED INTO WALL - TYPICAL INSTALLS

Maximum TV Recess



4 5/8" (117 mm) maximum TV recess using 1/2" (13 mm) drywall

TV Flush with Hearth

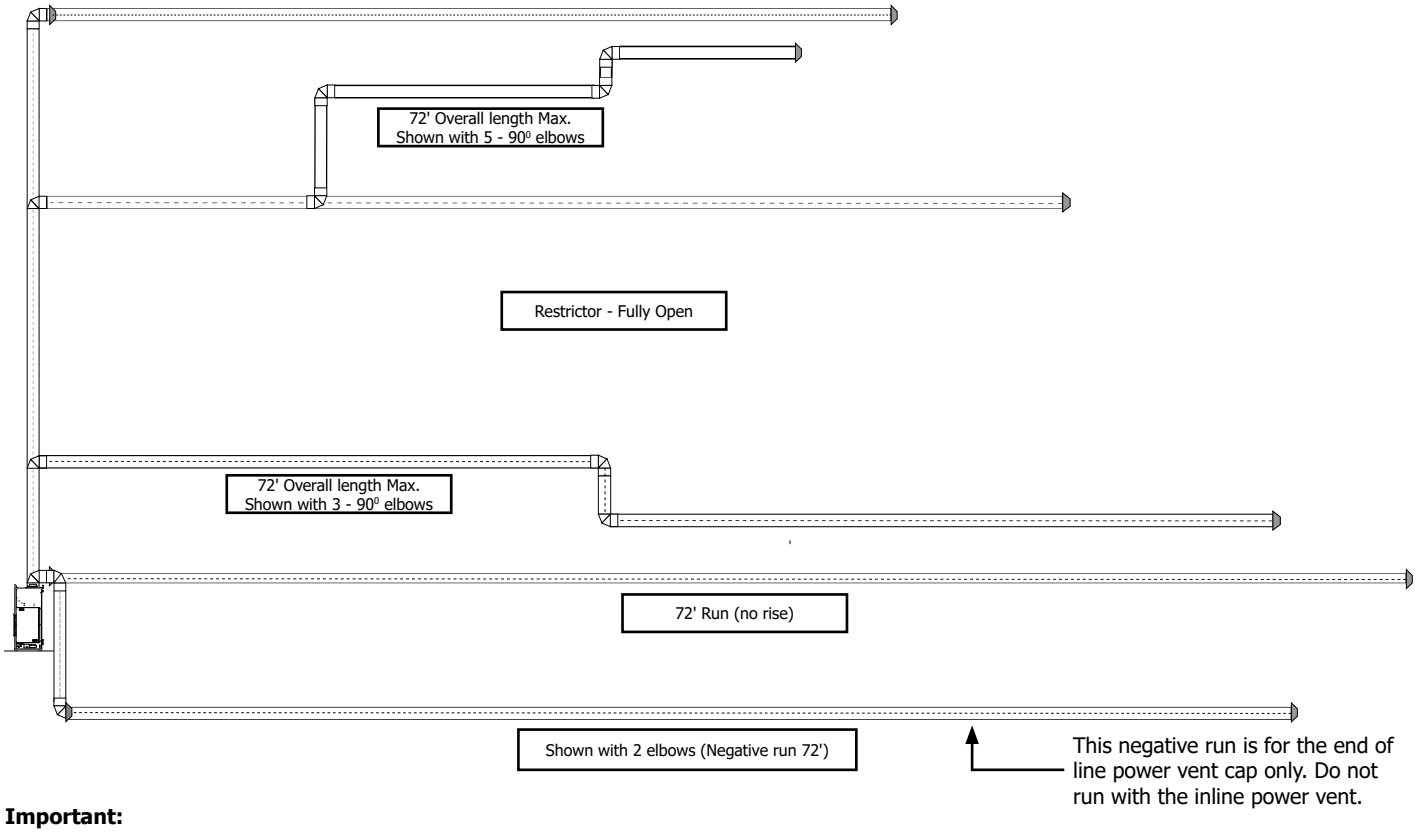


Flush wall TV recess using 1/2" (13 mm) drywall

HORIZONTAL TERMINATIONS - END OF LINE HORIZONTAL VENT CHART

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR 510-994
Note: Rigid pipe is approved for up to 72 feet.
Note: Flex pipe is approved for up to 40 feet using 2 X 946-756-- 20 foot flex kits.

The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.
Note: The CC40EPV must be terminated horizontally. Vertical terminations are not permitted.



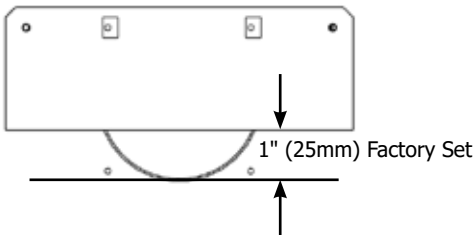
Important:
Maximum total vent length = 72' maximum of six - 90° elbows permitted.
One 90° elbow = two 45° elbows.
Maximum total negative vent length = 7'.
Minimum 4 ft (1.22 m) from the unit prior to terminating.

Note: Maximum length of 72 feet is based on overall length of combined chimney components.

Do not run positive venting after a negative run.

Vent Restrictor Position

Vent Restrictor factory set for the CC40EPV

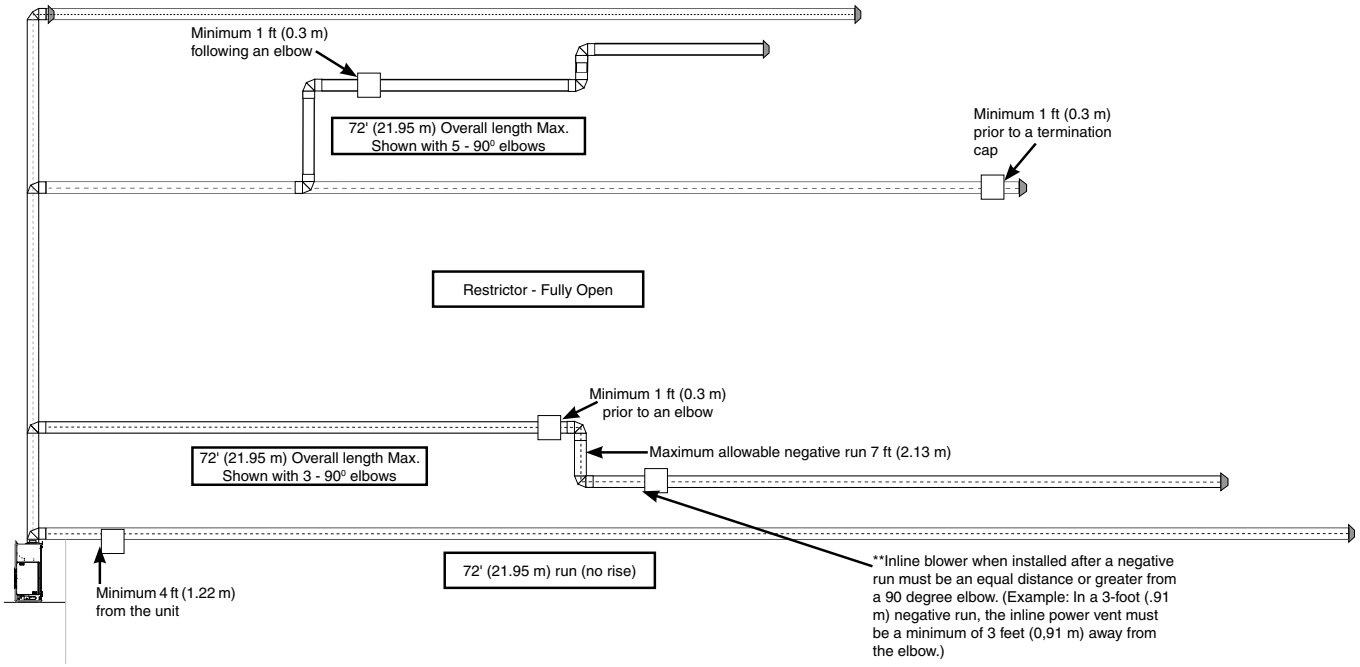


HORIZONTAL TERMINATIONS - INLINE HORIZONTAL VENT CHART

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR 510-994.
Note: Rigid pipe is approved for up to 72 feet (21.95 m).
Note: Flex pipe is approved for up to 40 feet (12.19 m) using 2 X 946-756-20 foot (6.10 m) flex kits.

The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.

Note: This model comes with a 5" (127 mm) inner and 8"(203 mm) outer collar which must be reduced to 4" x 6 5/8" (102 mm x 168 mm) in all applications. Must be terminated horizontally. Vertical terminations are not permitted.



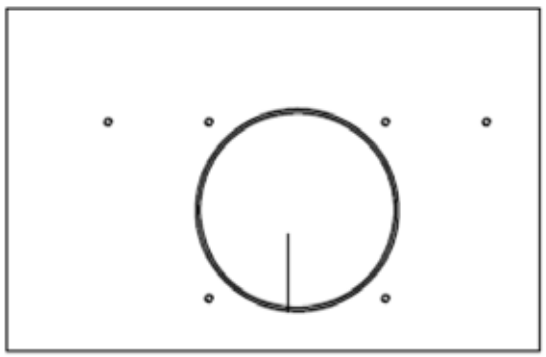
Important:
Maximum total vent length = 72' (21.95 m) maximum of six - 90° elbows permitted.
One 90° elbow = two 45° elbows.
Maximum total negative vent length = 7' (2.13 m) .

Note: Maximum length of 72 (21.95 m) feet is based on overall length of combined chimney components.

Do not run positive venting after a negative run.

Inline power vent location restrictions:
Minimum 4 ft (1.22 m) from the unit
Minimum 1 ft (0.3 m) prior to an elbow.
Minimum 1 ft (0.3 m) following an elbow.
Minimum 1 ft (0.3 m) prior to a termination cap.
When the inline blower is installed after a negative run, for every foot of negative run the inline blower must be an equal distance or greater from the 90-degree elbow. See example above.

Vent Restrictor Position

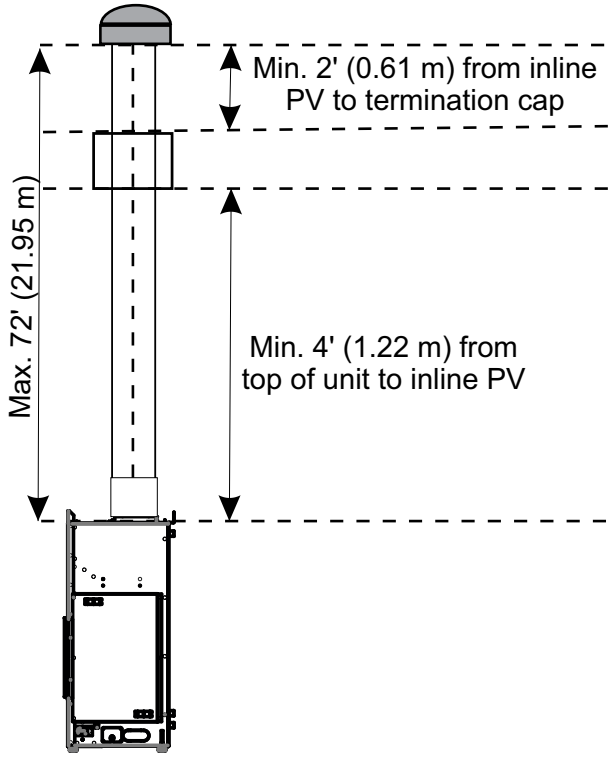


VENTING ARRANGEMENT FOR VERTICAL TERMINATIONS-INLINE POWER VENT

Vertical venting with straight vertical venting and or with a max. of six (6) 90° Elbows (1 - 90° = 2 - 45°)

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR 510-994.
Note: Rigid pipe is approved for up to 72 feet (21.95 m).
Note: Flex pipe is approved for up to 40 feet (12.19 m) using 2 X 946-756--20 foot flex kits.

- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (0.3 m).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.91 m).
- Firestops are required at each floor level and whenever passing through a wall.

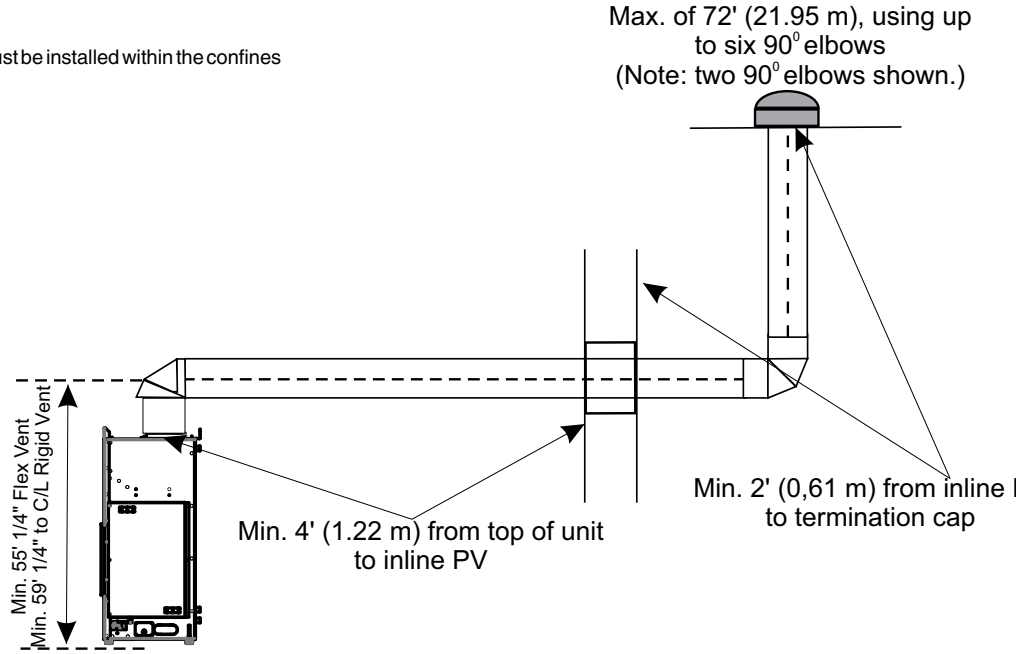


Restrictor set on 0 (fully open) regardless of vent run.

Inline power vent location restrictions:

- Minimum 4 ft (1.22 m) from the unit.
- Minimum 1 ft (0.3 m) prior to an elbow.
- Minimum 1 ft (0.3 m) following an elbow.
- Minimum 2 ft (0.61 m) prior to a termination cap.
- Minimum 2 ft. from inline PV to termination cap.
- Minimum 4' from top of unit to inline PV.
- Max. of 72' (21.95 m), using up to six 90° elbows
- (Note: example shows two 90° elbows).
- No negative runs.

Note: The inline power vent must be installed within the confines of the home/structure.

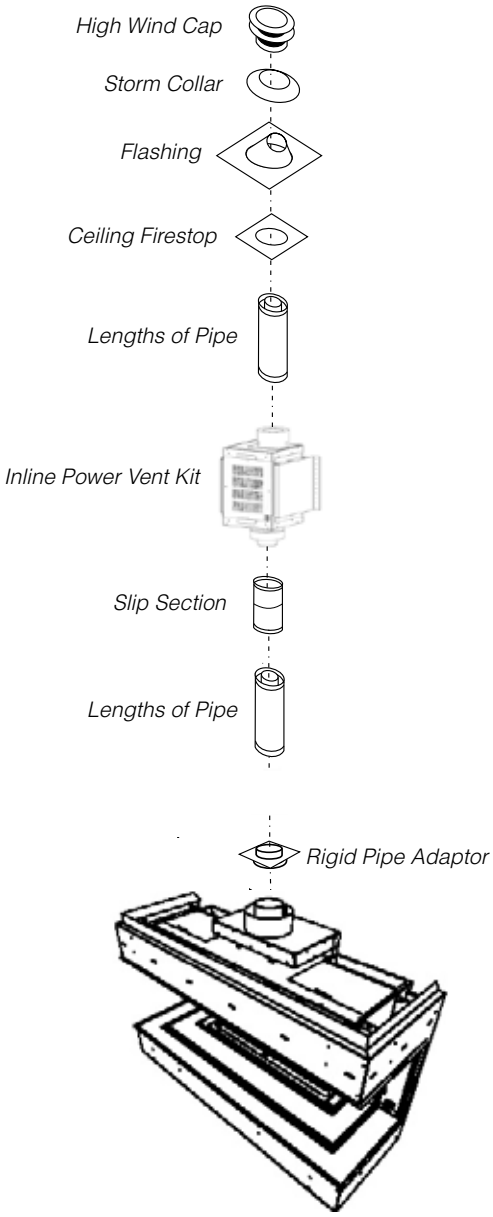


VERTICAL INLINE POWER VENT TERMINATIONS - RIGID PIPE

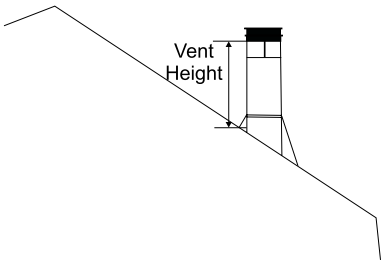
The minimum components required when using inline power vent are:

1 High Wind Cap
1 Rigid Pipe Adaptor (510-994)
1 Ceiling Firestop
1 Flashing
1 Storm Collar
1 Lengths of pipe to suit wall thickness & vent run (see chart)
1 Inline Power Vent Kit

Galvanized pipe is desirable above the roofline due to its higher corrosion resistance. Continue to add pipe sections through the flashing until the height of the vent cap meets the minimum height requirements specified in table below or local codes. Note that for steep roof pitches, the vertical height must be increased. A poor draft, or down drafting can result from high wind conditions near big trees or adjoining roof lines, in these cases, increasing the vent height may solve the problem.



Roof Pitch	Minimum Vent Height	
	Feet	Meters
flat to 7/12	2	0.61
over 7/12 to 8/12	2	0.61
over 8/12 to 9/12	2	0.61
over 9/12 to 10/12	2.5	0.76
over 10/12 to 11/12	3.25	0.99
over 11/12 to 12/12	4	1.22
over 12/12 to 14/12	5	1.52
over 14/12 to 16/12	6	1.83
over 16/12 to 18/12	7	2.13
over 18/12 to 20/12	7.5	2.29
over 20/12 to 21/12	8	2.44



WARNING:

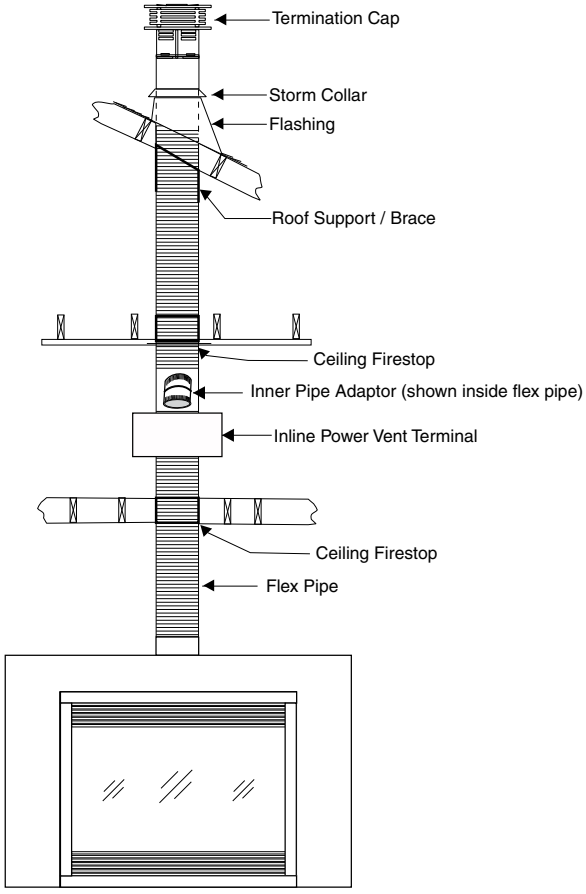
Do not combine venting components from different venting systems.

This product has been evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with Duravent Direct-Vent, Selkirk Direct-Temp, Ameri Vent Direct Venting, ICC Excel Direct, Olympia Ventis DV, and Security Secure Vent systems. Use of these systems with the Rigid Pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.

When using Rigid Vent other than Simpson Dura-Vent, 3 screws must be used to secure rigid pipe to adaptor.

VENTING ARRANGEMENTS FOR VERTICAL TERMINATIONS - FLEX PIPE

Note: Flex pipe is approved for up to 40 feet (12.19 m) using one 20 foot (6.10 m) flex kit (part # 946-755) and one 20 foot (6.10 m) flex kit extension (part # 946-756).



Inline power vent location restrictions:

- Minimum 4 ft (1.22 m) from the unit.
- Minimum 1 ft (0.3 m) prior to an elbow.
- Minimum 1 ft (0.3 m) following an elbow.
- Minimum 2 ft (0.61 m) prior to a termination cap.
- Minimum 2 ft. (0.61 m) from inline PV to termination cap.
- Minimum 4ft (1.22 m) from top of unit to inline PV.
- Max. of 72' (21.95 m), using up to six 90^0 elbows
- (Note: example shows two 90^0 elbows).
- No negative runs.

Power Vent Kit (Part #666-945)

1 666-945 Power vent kit sold separately.
1 946-219/P Adaptor pipe included w/power vent kit.
1 946-755 20' (6.10 m) Vertical Flex Kit (sold separately) includes: 20 ft. (6.10 m) flex pipe with 10 spacers (inner & outer pipe), 3 wall straps, ceiling firestop, roof brace, flex to rigid adaptor, roof support/brace, 36 in. (914 mm) rigid Duravent pipe, storm collar, high wind termination cap, hardware.
1 Max. 946-756 20' (6.10 m) flex kit extension (sold separately).
1 Power Vent fan included w/power vent kit.
1 911-250/P 45' (13.72 m) 5-wire BX cable (sold separately).
OR
1 911-251/P 90' (27.43 m) 5-wire BX cable (sold separately).

Must also purchase one of the flashings listed below:

1 46DVA-F12 Flashing 7/12 - 12/12
1 46DVA-F6 Flashing 0/12 - 6/12
1 46DVA-FF Flat roof flashing

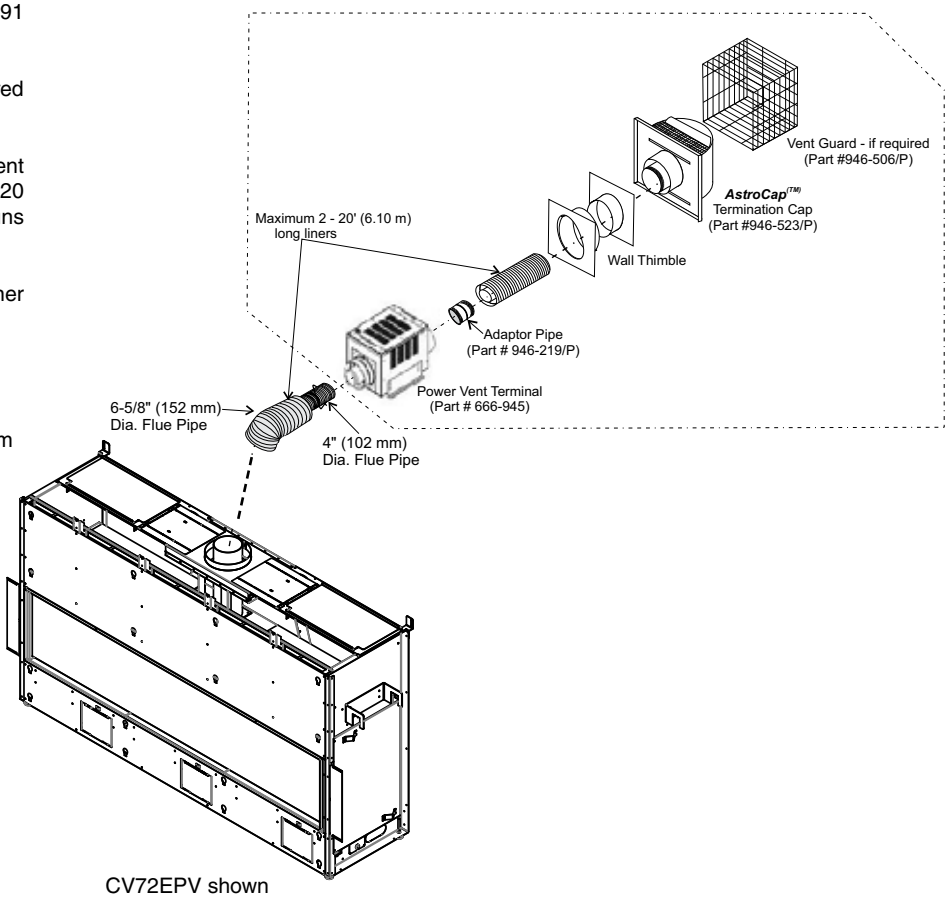
HORIZONTAL TERMINATIONS-INLINE POWER VENT - 4" X 6-5/8" FLEX VENT

These venting systems, in combination with the CC40EPV Direct Vent Gas Fireplace, have been tested and listed as a direct vent heater system by Intertek. The location of the termination cap must conform to the requirements in the Vent Terminal Locations diagram in "Exterior Vent Termination Locations" section.

Regency® Direct Vent (Flex) System Termination Kits include all the parts needed to install the CC40EPV using a flexible vent.

Notes:

1. Only Flex pipe purchased from Regency® may be used for Flex installations
2. Horizontal vent must be supported every 3 feet (0.91 m).
3. Regency® Direct Vent System (Flex) is only approved for horizontal terminations.
4. Flex system can only be used up to a maximum vent length of up to 40 feet (12.19 m) using up to 2 x 20 ft (6.10 m) flex kits (part # 946-756). If longer runs are required, rigid pipe must be used.
5. Must use adaptor pipe (946-219/P) to connect inner flex pipe as shown.



CV72EPV shown

Maximum total vent length = 72' (21.95 m) maximum of six-90^0 elbows permitted.
One 90^0 elbow = two 45^0 elbows
Maximum total negative vent length = 7' (2.13 m)

Note: Maximum length of 72' (21.95 m) is based on overall length of combined chimney components.

Do not run positive venting after a negative run.

Inline power vent location restrictions:
Minimum 4 ft (1.22 m) from the unit
Minimum 1 ft (0.3 m) prior to an elbow.
Minimum 1 ft (0.3 m) following an elbow.
Minimum 1 ft (0.3 m) prior to a termination cap.
Minimum 6 ft (1.82 m) rise from top of unit if there is a negative run.

Power Vent Kit (Part 666-945)			
2 Max.	946-756	20' Flex Kit	Sold separately
1		Power Vent Fan	Included w/Power Vent kit
1	911-250/P	45' (13.72 m)-5 Wire BX Cable or	Sold separately
1	911-251/P	90' (27.43 m) 5-Wire BX Cable	Sold separately
1	666-945	Power Vent Kit	Sold separately
1	946-219/P	Adaptor Pipe	Included w/power vent kit
1	946-206	Vinyl Siding Standoff	Sold separately
1	946-523/P	Astro Cap Termination	Sold separately
1	946-763	Wall Thimble	Sold separately
1	946-506/P	Vent Guard	Sold separately

HORIZONTAL TERMINATIONS - INLINE POWER VENT - RIGID PIPE 4" X 6-5/8"

The minimum components required for a basic horizontal termination are:

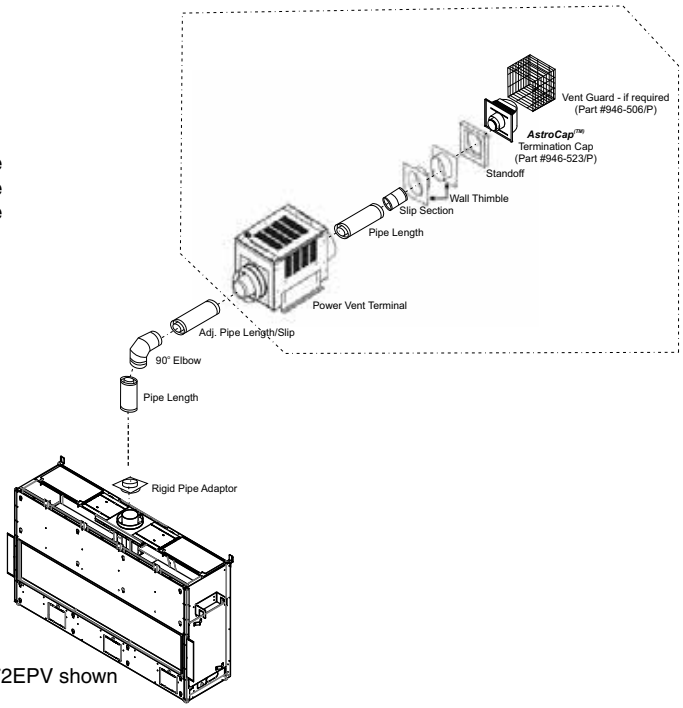
1 Horizontal Termination Cap
1 Power Vent Kit
1 Rigid Pipe Adaptor
1 Length of pipe to suit wall thickness and total vent run (see Table 1)
Adjustable pipe lengths/slips

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. Create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness.

Flat Wall Installation

Wall Thickness	Vent Length Required
4" - 5-1/2" (102 mm - 140 mm)	6" (152 mm)
7" - 8-1/2" (178 mm - 216 mm)	9" (229 m)
10" - 11-1/2" (254 mm - 292 mm)	12" (305 mm)
9" - 14-1/2' (228 mm - 368 mm)	11" - 14-5/8" Adj. Pipe (279 mm - 371 mm)
15" - 23-1/2" (381 mm - 597 mm)	17" - 24" Adj. Pipe (432 mm - 610 mm)

Table 1



CV72EPV shown

Important:
Maximum total vent length = 72' (21.95 m) with a maximum of six 90^0 elbows.
One 90^0 elbow = two 45^0 elbows.
Maximum total negative vent length = 7' (2.13 m).

Note: Maximum length of 72' (21.95 m) is based on overall length of combined chimney components.

Do not run positive venting after a negative run.

Inline power vent location restrictions:
Minimum 4 ft (1.22 m) from the unit
Minimum 1 ft (0.3 m) prior to an elbow.
Minimum 1 ft (0.3 m) following an elbow.
Minimum 1 ft (0.3 m) prior to a termination cap.
Minimum 6 ft (1.8 m) rise from top of unit if there is a negative run.

Power Vent Kit (Part 666-945)			
1	770-994	Rigid Pipe Adaptor	Sold separately
1	911-250/P	45' (13.71 m) -5 Wire BX Cable or	Sold separately
1	911-251/P	90' (27.43 m) 5-Wire BX Cable	Sold separately
	Amount required for install	4" x 6-5/8" (102 mm x 168 mm) Rigid Pipe	Sold separately
1	666-945	Power Vent Kit	Sold separately
1	946-206	Vinyl Siding Standoff	Sold separately
1	946-523/P	Astro Cap Termination	Sold separately
1	946-763	Wall Thimble	Sold separately
1	946-506/P	Vent Guard	Sold separately
NOTE: Slip section is mandatory.			

HORIZONTAL TERMINATIONS - END OF LINE POWER VENT - RIGID PIPE 4" X 6-5/8"

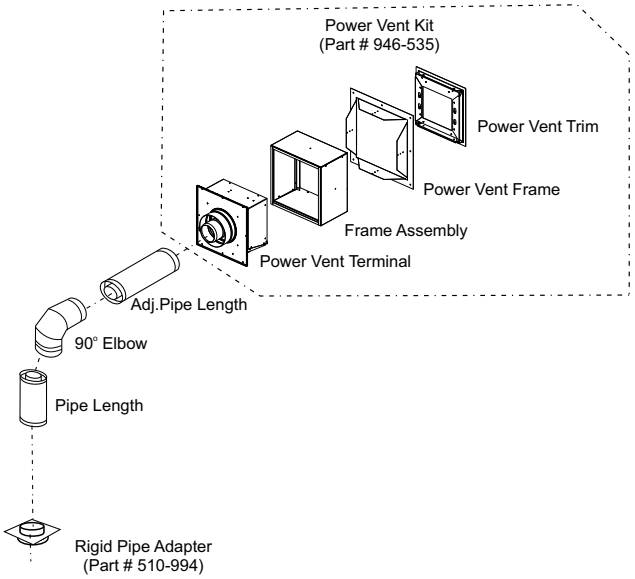
The minimum components required for a basic horizontal termination are:

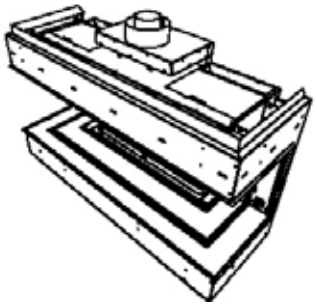
1 Power Vent Kit
1 Rigid Pipe Adaptor
1 Length of pipe to suit wall thickness and total vent run (see Table 1)

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. Create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness.

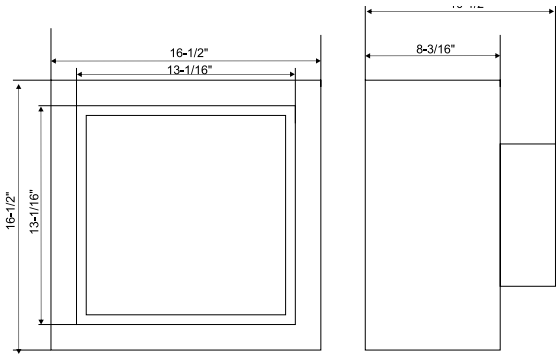
Flat Wall Installation	
Wall Thickness (inches)	Vent Length Required (inches)
4" - 5-1/2"	6"
7" - 8-1/2"	9"
10" - 11-1/2"	12"
9" - 14-1/2'	11" - 14-5/8" Adj. Pipe
15" - 23-1/2"	17" - 24" Adj. Pipe

Table 1





Power Vent Kit with Vent Terminal			
1	510-994	Rigid Pipe Adaptor	Sold separately
	946-535	Power Vent Kit- includes: Frame, Frame Assembly, Vent Trim, Fan, and Terminal	Sold separately
1	911-250/P	45'-5 Wire BX Cable or	Sold separately
1	911-251/P	90' 5-Wire BX Cable	Sold separately
	Amount required for install	4" x 6-5/8" Rigid Pipe	Sold separately
NOTE: *Slip section is mandatory.			



INLINE POWER VENT DIMENSIONS