

Williams

Forsaire Counterflow Furnaces

**Time-honored,
efficiently-designed,
comfort heating
for up to three rooms!**

Electric Home Heater ▶

The practical choice for those areas where natural or propane gas is not convenient to install. It provides low-cost, four-to-ceiling comfort (31,400 Btu/hr), is thermostatically controlled, and is ideal for basements and room additions.

Direct-Vent Counterflow ▼

Forced-air circulation comfort heating system uses only outside air for combustion, as the burners are completely sealed within the combustion chamber. Combustion is discharged outdoors through the wall; this eliminates the expense of a chimney...all vent caps include a built-in "Bird Guard". All vent material is included. IDEAL for garages.



Top-Vent Counterflow ▲

This model's powerful counterflow blower system receives air at ceiling level, warms it and quietly delivers it at floor level to give an equalized floor-to-ceiling temperature! Installs easily and inexpensively.



Design Features

- ❑ Freestanding or recessed. Forsaire furnaces are ideal for homes, apartments, offices, schools, cabins and many other applications.
- ❑ Counterflow blower system circulates ceiling-to-floor warm air.
- ❑ Choose from electronic ignition or "Matchless" ignition (gas-fired models).
- ❑ Multi-room heating with optional outlet kits - heat up to three rooms.
- ❑ Gas models equipped with a four-foot service cord.
- ❑ Natural and propane gas models (conversion kit available).
- ❑ Automatic temperature and safety controls.
- ❑ Resettable vent-limit safety switch (top-vent models).
- ❑ Thermostat included.

Forsaire Counterflow Furnaces

Model Number		Heater Input Rating	Heater Output Rating	Efficiency %			Dimensions			Heater Speed	CFM @ 100'	Amps	Port Type	Shipping Weight (lbs)
Normal	Propane			Normal	AFUE	Height	Depth	Width						
Top Vent with Aluminized Service Duct														<i>Conversion Kit Available</i>
300A-02	300A-01	35,000	25,000	80.0	79.0	70"	70"	54"	Gas	340	1.0	Standard	80	
300A-04	300A-03	35,000	24,000	80.0	79.0	70"	70"	54"	Gas	340	1.0	Standard	80	
300A-06	300A-05	35,000	25,000	80.0	79.0	87"	87"	60"	Gas	350	1.0	Standard	85	
300A-08	300A-07	35,000	25,000	80.0	79.0	87"	87"	60"	Gas	340	1.0	Standard	110	
300A-10	300A-09	35,000	25,000	80.0	79.0	87"	87"	60"	Gas	340	1.0	Standard	107	
Direct Vent with Aluminized Service Duct														<i>Conversion Kit Available</i>
400A-02	400A-01	40,000	30,000	80.0	79.0	70"	70"	54"	Gas	320	1.0	Standard	120	
400A-04	400A-03	40,000	30,000	80.0	79.0	70"	70"	54"	Gas	320	1.0	Standard	120	
400A-06	400A-05	40,000	30,000	80.0	79.0	87"	87"	60"	Gas	440	1.0	Standard	140	
400A-08	400A-07	40,000	30,000	80.0	79.0	87"	87"	60"	Gas	440	1.0	Standard	140	
Top Vent Propane High Efficiency with Aluminized Service Duct														<i>Conversion Kit Available</i>
500A-02	500A-01	35,000	25,000	82.0	79.0	80"	80"	60"	Gas	440	1.0	Standard	121	

Heater Conversion

Model	Gas Inlet	Heater Input Rating	Heater Output Rating	Minimum Temp. (°F)	Max. Temp. (°F)	Height	Depth	Width	Gas	CFM	Amps	Port Type	Weight
300A-02	6.2 inch	35,000	25,000	270	280	70"	70"	54"	Gas	370	40.0	Std	80

See instructions. * - Equipped with a 200 standard valves and wall thermostat. - All gas models are rated for 100% efficiency.

Base and Side Casing Accessories

- 4001 New Side Register with 1" Base and Support for Top Vent Models - 1 ea.
- 4002 New Side Register with 1" Base and Support for Top Vent Models - 2 ea.
- 4003 New Side Register with 1" Base and Support for Direct Vent Models - 1 ea.
- 4004 Side Casing Register with 1" Base and Support for Top and Direct Vent Models - 1 ea.
- 4005 Side Casing Register for Top and Direct Vent Models - 1 ea.

Front Diffusing Grilles

- 4006 Top Diffusing Grille for 60 Models - 1 ea.
- 4007 One-Dimensional Diffuser Grille for 60 Models - 1 ea.

Wall Mounting Accessories

- 4008 Side Wall Bracket - Insulated, galvanized steel sheet for Direct Vent Models - 1 ea.
- 4009 Top Wall Casing - Reinforcement for 1" Inlet - Gas and Direct Vent Kit - 1 ea.
- 4010 Side Wall Casing - Propane installation (fits from rear of the direct vent unit) - 1 ea.
- 4011 Direct Vent Case Extension - 12" Length - 1 ea.
- 4012 Direct Vent Case Extension - 18" Length - 1 ea.
- 4013 Direct Vent Case Extension - 24" Length - 1 ea.
- 4014 Top Case Bracket - Complete installation from gas, vent and return ducts and the pieces of wall plate - 1 ea.
- 4015 Top Case Mount for Top Vent (Requires wall-mounted installation) - 1 ea.

Front Panels

- 4016 Top Side Register - Steel from mounting and control the same color as the furnace for 60 Models - 1 ea.
- 4017 Top Side Register - 12" - A metal protective panel for the same color as the furnace to protect the side panel - 1 ea.
- 4018 Top Side Register - 18" - A metal protective panel for the same color as the furnace to protect the side panel - 1 ea.
- 4019 Top Side Register - 24" - A metal protective panel for the same color as the furnace to protect the side panel - 1 ea.

Conversion Kits - Current models only - 1 ea.

Kit No.	Model(s)	Heater(s)
300A	300A-02	300A-01
300A	300A-04	300A-03
300A	300A-06	300A-05
300A	300A-08	300A-07
300A	300A-10	300A-09
400A	400A-02	400A-01
400A	400A-04	400A-03
400A	400A-06	400A-05
400A	400A-08	400A-07

High Altitude Models

Hard Wire Adapter - Model 300A - 1 ea.



Dimensions and Clearances

Top Vent

1" in Minimum Gap
 1" from Top of Furnace to Ceiling/Ceilinging
 2" from Top of Furnace to Ceiling of 2000' Below
 0" to Protonation

Direct Vent

1" in Minimum Gap
 1" from Top of Furnace to Ceiling/Ceilinging
 0" to Protonation
 12" from Protonation to Ceiling of 2000' Below
 1" from Sides - 400A and 400T
 6" from Protonation Floor to Ceiling of 2000' Below
 12" from Sides - 400A and 400T



At Your Service Since 1876. At Williams, we've been serving customers for over 140 years. We're proud to be a part of your energy solution. Call 1-800-451-7373 for more information. Visit us at www.williamsflares.com.