



FIRE CHIEF

Since
1982

Outdoor Forced Air Furnace OS1600 & OS2200D

The Affordable Outdoor Furnace Line



FCOS1600



FCOS2200D

PATENT
PENDING

Automatic heat dump
opens to relieve heat
off the unit.

IMPROVED

**More Efficient,
Cleaner Burning.**

Uses **HALF** The Wood Of
An Outside Boiler.



Fire Chief, Keeping American Hearts Warm.



FIRE CHIEF

FCOS1600

Outdoor Forced Air Furnace

THE ROUND FIREBOX FURNACE

The OS1600 comes standard with a round firebox. Not only will this create a strong fire chamber but also increases the surface area for greater heat transfer.

- ✓ **Construction** - High grade 7 & 10 gauge steel is continuously welded for maximum structural strength.
- ✓ **Laser-Cut Ash Slots** - with ash drawer for easy ash removal. Allows fine ash to drop into ash pan and leaves hot coals in fire box.
- ✓ **Manual Draft Control** - Easily adjust the temperature setting in your home with the cast-iron door mounted spin draft controls.
- ✓ **Thermostatically Controlled Blower** - Delivers a more consistent heat in the home.
- ✓ **Secondary Combustion Chamber** - Increases fuel efficiency while re-burning smoke and wood gases before they are vented up the chimney, resulting in a cleaner burn.
- ✓ **Slide Bypass Damper** - Makes cleaning flue easier and aids in quick fire start-up.
- ✓ **Pre-Wired Electrical System** - Fully automatic components are pre-wired for your convenience and to reduce electrical installation time and expense.



PATENT PENDING

INDUSTRY EXCLUSIVE

Automatic heat dump opens to relieve heat off the unit in event of power failure.



Includes 25 feet of 10 inch Interior Insulated Flexible Heat Duct.

MODEL FCOS1600 SPECIFICATIONS	
Weight	Appx. 470 lbs.
Height	44.5"
Width	29.5"
Depth with blower housing	60"
Log Size	28"
Fire Chamber Volume	6 Cu. Ft.
BTUs - Maximum	100,000
Heating Capacity	1,800 sq. ft.
Door Size	13" x 14"
Warranty - Fire Box	5 year limited
Warranty - Electrical Components	1 year
Hot Air Plenum	10" round
Cold Air Return	12" round

AUTOMATIC HEAT DUMP

PATENT PENDING

Safely releases heat off the unit in case of power failure.*

Anchor Plate for Insulated Chimney Provided with Unit

Automatic Heat Dump Door

Durable, Weather-Resistant Powder Coated Finish

PATENT PENDING

Slide Bypass Damper

Secondary Combustion Chamber

High Temp. Insulation

Cast Iron Door

Rear Double-wall Construction

Manual Spin Controlled Natural Draft

Thermostatically Controlled 1800 cfm Blower

Ash Drawer With Draft Damper

Round Fire Box (holds 28" log)

Laser-cut Ash Pit Slots

Weather-Resistant Cabinet Door

*In case of power failure we recommend a back up generator of at least 2000 watts.



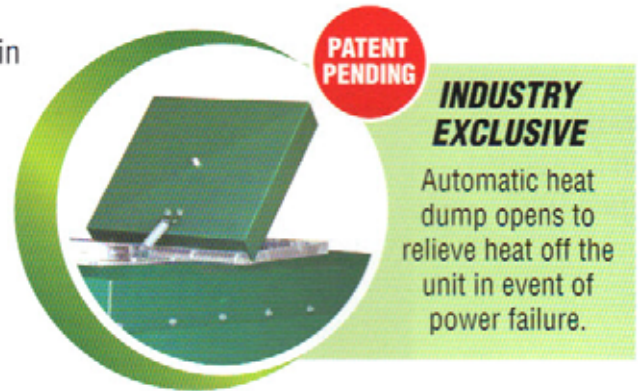
FIRE CHIEF

FCOS2200D

Outdoor Forced Air Furnace

A quality, outdoor wood burning, forced air furnace engineered to meet and exceed the heating requirements of the larger size home in even the coldest winter months.

- ✔ **Construction** - High grade 7 & 10 gauge steel is continuously welded for maximum structural strength.
- ✔ **Thermostatically Controlled Draft System** - Easily adjust the temperature setting in your home with the wall thermostat (included with your furnace) and enjoy the warmth throughout your home.
- ✔ **Secondary Combustion Chamber** - Increases fuel efficiency while re-burning smoke and wood gases before they are vented up the chimney, resulting in a cleaner burn.
- ✔ **Multi Directional Air Baffle** - Directs the combustion air flow below and above the cast iron grates creating the maximum fire temperature for every pound of fuel.
- ✔ **Slide Bypass Damper** - Makes cleaning flue easier and aids in quick fire start-up.
- ✔ **Cast Iron Wood Grate** - allows fine ash to drop into ash pan and leaves hot coals in fire box. Comes with a 5 year warranty.
- ✔ **Pre-Wired Electrical System** - Fully automatic components are pre-wired for your convenience and to reduce electrical installation time and expense.



Includes 25 feet of 10 inch Interior Insulated Flexible Heat Duct.

MODEL FCOS2200D SPECIFICATIONS	
Weight	Appx. 775 lbs.
Height	59"
Width	30"
Depth with blower housing	65"
Log Size	32"
Fire Chamber Volume	11 Cu. Ft.
BTUs - Maximum	160,000 appx.
Heating Capacity	3,500 sq. ft.
Door Size	13" x 14"
Warranty - Fire Box	5 year limited
Warranty - Electrical Components	1 year
Hot Air Plenum	10" round
Cold Air Return	12" round

**AUTOMATIC
HEAT DUMP**
Safely releases heat off the unit
in case of power failure.*

**PATENT
PENDING**

**PATENT
PENDING**

Anchor Plate for Insulated
Chimney Provided with Unit

Automatic
Heat Dump Door

Durable, Weather-Resistant
Powder Coated Finish

Slide Bypass Damper

Secondary Combustion
Chamber

High Temp.
Insulation

Rear Baffle
Transfers Fresh
Air to Secondary
Combustion
Chamber

1800 cfm
Blower

Deep Fire Box
(holds 32" log)

High Temp. Fire Brick

Cast Iron Grates

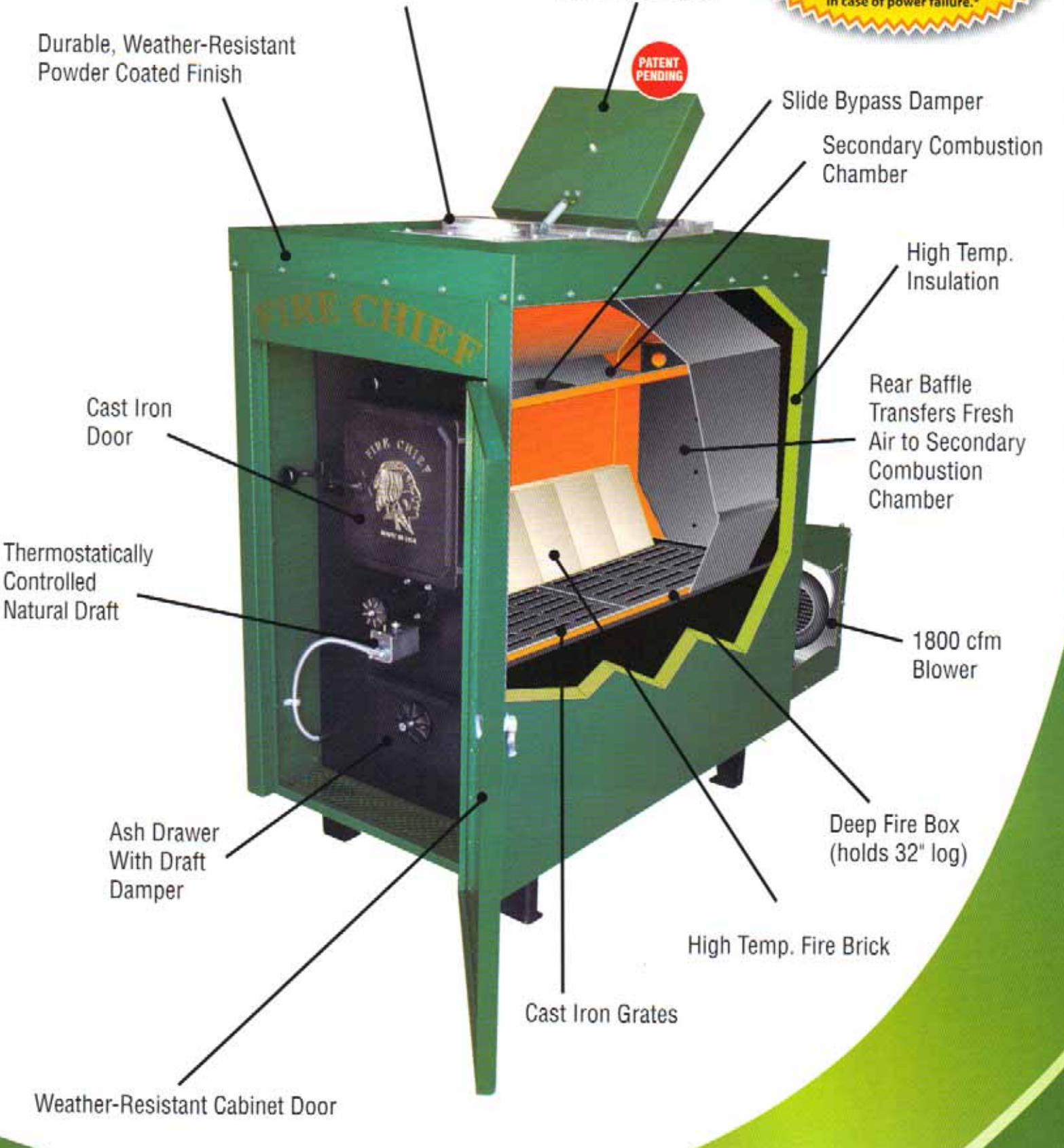
Thermostatically
Controlled
Natural Draft

Ash Drawer
With Draft
Damper

Weather-Resistant Cabinet Door

Cast Iron
Door

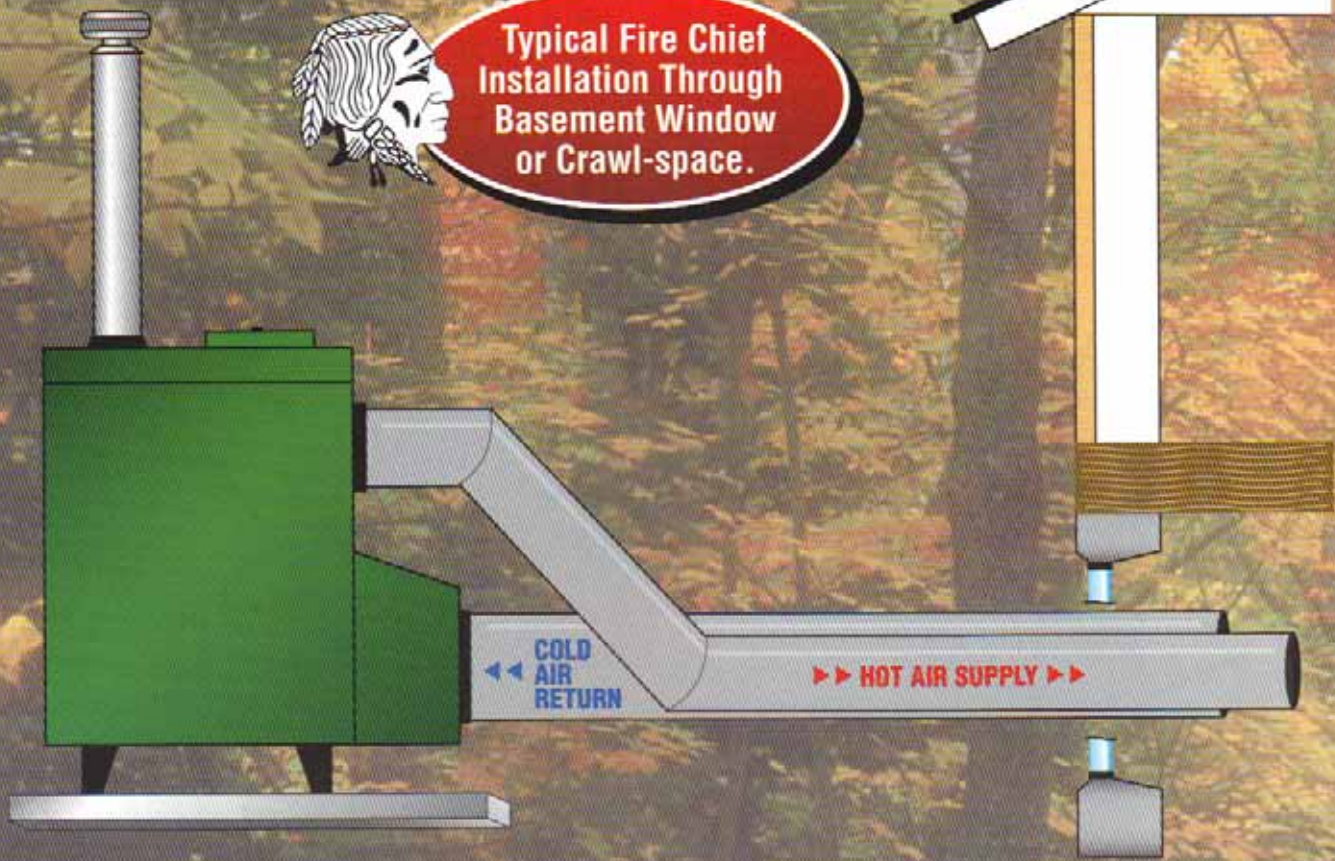
FIRE CHIEF



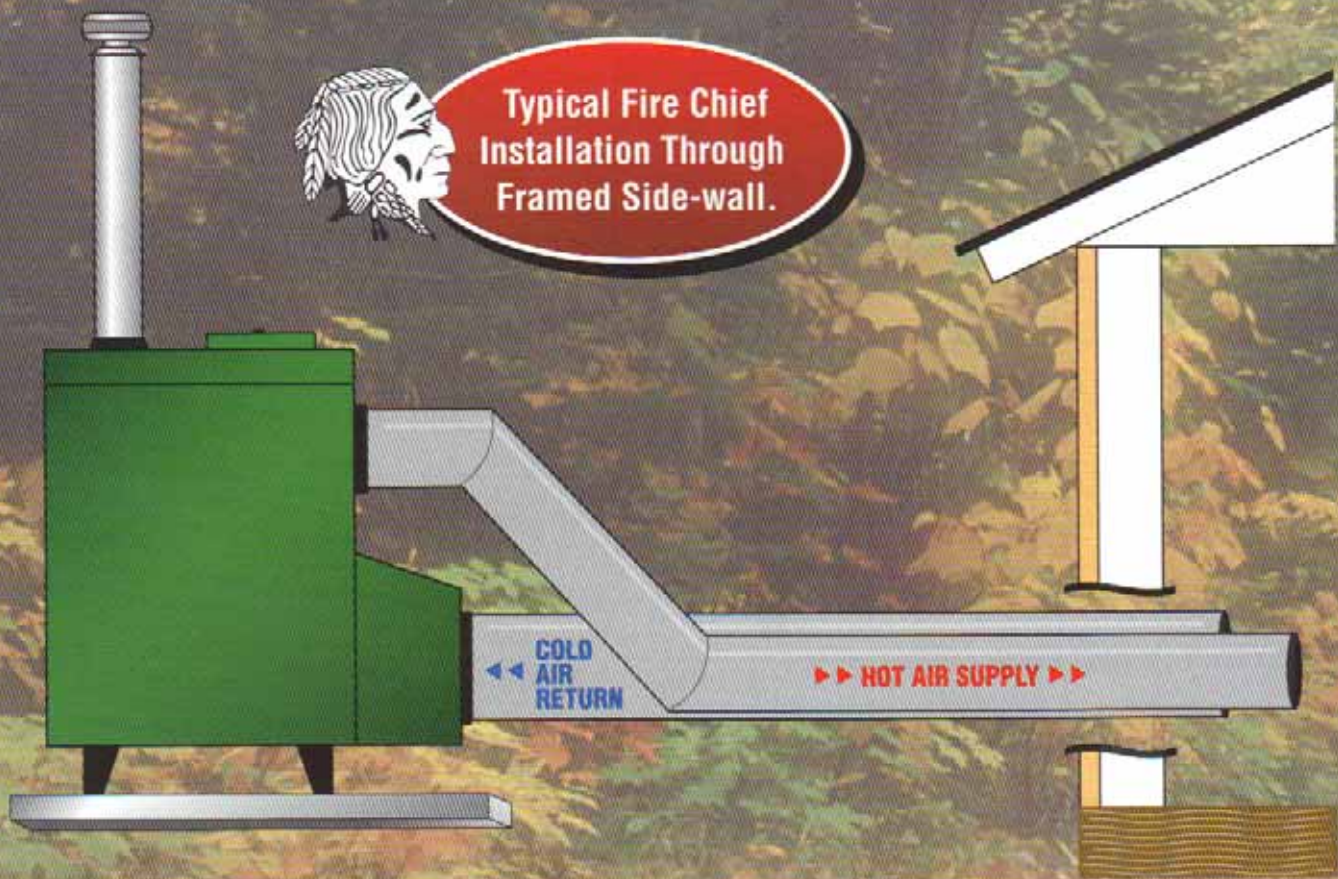
*In case of power failure we recommend a back up generator of at least 2000 watts.



Typical Fire Chief
Installation Through
Basement Window
or Crawl-space.



Typical Fire Chief
Installation Through
Framed Side-wall.





GO GREEN BURN WOOD...

- Wood is a natural renewable resource. Not only does wood provide nice, warm heat for your home. It also reduces green house gas emissions caused by burning fossil fuels like oil, gas and coal.
- Wood is readily available and has supplied heat for families for many years.
- Wood provides a much warmer and consistent heat for those long winter nights.

When burning wood, you are never at the mercy of the power grid or local utility company, or subject to their continual rate hikes.

HOW MUCH MONEY CAN YOU SAVE?

This chart shows how much money you can put in your pocket by warming your house with a Fire Chief Wood Furnace.

Gallons Used Per Year	1,000	1,200	1,400	1,600
Cost Per Gallon	\$3.00	\$3.00	\$3.00	\$3.00
Cost To Heat Your Home	\$3,000	\$3,600	\$4,200	\$4,800
Your Savings Would Be:				
2 Years	\$6,000	\$7,200	\$8,400	\$9,600
4 Years	\$12,000	\$14,400	\$16,800	\$19,200
6 Years	\$18,000	\$21,600	\$25,200	\$28,800
8 Years	\$24,000	\$28,800	\$33,600	\$38,400
10 Years	\$30,000	\$36,000	\$42,000	\$48,000



HAPPY FIRE CHIEF OWNER TESTIMONIALS

- "Great Stove" ~ *B. Worthington, WI*
- "Really good stove! We now have two, one in our home and one in our shop. We also had a family member buy one for his house. Thanks so much." ~ *D. Zimmerman, MN*
- "Great stove, we love it!" ~ *W. Dammermann, IL*
- "We installed and fired up the Fire Chief in October of 2009. We are very pleased with the performance." ~ *J. Johnson, MI*
- "Wonderful piece of equipment." ~ *K. Bohnert, MO*
- "It's great to be able to purchase quality USA made products." ~ *D. Yokum, IL*
- "Thank you so much for your help on the phone. You answered all my questions. We are so happy with our Fire Chief." ~ *D. McQuinn, MO*

FREQUENTLY ASKED QUESTIONS

Q. Can I install the Fire Chief myself?

A. Yes, about 95% of our customers will do the installation themselves. Both OS1600 and OS2200D are simple to install. No need for hard-wiring due to the electrical control center. Just plug all the components in and you are ready to move on to the next step of running the duct work. The cold air as well as the supply outlets from the furnace are round thus using standard galvanized duct found at your dealer or local hardware store making this process simple. Run the duct through a basement window or through a wall to connect to the main trunk line in your home and you are almost done. Just add the chimney and you are ready.

Q. How safe is the Fire Chief and will my Insurance Company approve one?

A. All Fire Chief models have been through a safety test by Inter-tek Labs, a nationally recognized testing facility. They are tested to the UL-391 standards. Each unit has a permanent manufacturer's safety label and serial number attached.

Q. What is the importance of the Heat Dump feature?

A. It is very important. The Fire Chief is the only furnace that has this patented feature. The problem with outdoor units is, should there be a power failure the heat buildup within the furnace will cause damage to electrical components and eventually cause further problems. Should a power failure occur with the Fire Chief, the heat dump lid will open thus venting the heat off the unit keeping your furnace safe.

Q. Will the Fire Chief forced air furnace heat my home in extreme cold winters?

A. The OS1600 should heat a home up to 1,800 sq. ft. and the OS2200D should heat up to 3,500 sq. ft. in the coldest weather. Of course much has to do with the type of fuel your using and how well your home is insulated. Your highest BTUs come from dry hardwood. Your wood should be covered at all times to reduce the moisture content which produces creosote formation. A home that is drafty and inadequately insulated will increase the heat demand needed to maintain comfort levels.

Q. How often will I need to load my furnace?

A. It will vary depending on each installation. Other factors are, how warm do you want the home to be, what condition of fuel being used, heat loss of the home and how cold it is outside. Under Ideal conditions you should get a 6 to 12 hour burn time.

Q. How often should I empty the ashes in my Fire Chief furnace?

A. You should empty the ashes daily or before it reaches the grate area. When the ashes build up past the grate area there is a lack of air flow which affects the efficiency of the furnace and also will cause damage to grates.

Q. Will I have to use my existing furnace blower in addition to the Fire Chief blower?

A. The OS1600 and OS2200D have their own 1800 cfm blower. This size blower should be adequate to meet the demand of any size home.

Q. What is the difference between the OS1600 and the OS2200D besides size?

A. The OS1600 will take a 28" log and is a manual draft control using spin draft dampers to control temperature and also has a round firebox with double wall back while the OS2200D takes a 32" log and is an automatic draft control using a wall thermostat to control temperature in the home. Both units have the same Heat Dump system and same warranties.

Q. Can I bury the duct work from my outside furnace?

A. Yes, although we do recommend placing the furnace as close as possible (31" min.) to the home, if such installation is not possible you must use 40 or 80 schedule PVC pipe, or we prefer dual wall culvert pipe with an inside smooth liner to reduce air drag. Dig a trench of at least 26" deep and line the bottom and side of trench with 1" pink styrofoam insulation. Do not exceed 40 ft. and avoid using 90 degree turns in your duct. Check with your local supplier for material cost.

Manufactured by:



FIRE CHIEF INDUSTRIES

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The BTU ranges and heating capacity specifications are provided as guidelines only and in no way guarantee the output or capacity of the units. The actual BTU output depends on the type of fuel being burned and its conditions, the draft adjustment and the chimney that the unit is hooked up to. The actual area that the units will heat depends on factors such as the conditions of the building, heat loss, type of construction, amount of insulation, type of air movements, and the location of the unit.