Fire Chief Wood/Coal Burning Furnaces

Indoor  FC300F FC450 FC500E FC700E FC1100E
Outdoor FC1600D FC1800D FC2200D
WHY BUY A FIRE CHIEF FURNACE?

Fire Chief Furnaces are built to a high standard of manufacturing excellence. We have listened to the constructive critique of our loyal customers for 30 years. Who knows better than the consumer? Our units are built to stand the test of time using the best materials in the industry. Our Saint Louis-based company produces the #1 central wood/coal burning furnace in America. Don’t take our word, ask a satisfied owner of a Fire Chief.
<table>
<thead>
<tr>
<th>Easy to Use &amp; Maintain</th>
<th>The Fire Chief furnaces are designed with ease-of-use in mind. Over the years we’ve perfected our furnaces so you can heat your home without worry or complications. The pre-wired electrical system is easy to attach - saving time and money. Many units come standard with automatic draft control and digital wall thermostats. More than 95% of our furnaces are self-installed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Efficiency &amp; Maximum Heat</td>
<td>Our furnace has the strongest blower in the industry (1/3-horsepower compared with the industry standard 1/8-horsepower and 1/10-horsepower units). Fire Chief delivers faster and stronger air flow. Our unique secondary combustion chamber ensures higher efficiency, re-burning wood gases and smoke. The multi-directional cast iron baffles direct combustion air above and below the grates to create maximum efficiency. In addition, burning wood (a renewable resource) reduces greenhouse gas emissions caused by burning fossil fuels such as oil, propane, and gas.</td>
</tr>
<tr>
<td>Highest Quality Standards</td>
<td>Fire Chief has the best warranty in the industry. Our unique 360-degree cast iron roller grate system allows for separation of fine ash and carries a limited lifetime warranty. Our blower motors have a 2-year warranty and fire boxes a 5-year warranty. Fire Chief furnaces are made entirely in the USA. All furnaces are tested to the UL391 standard by Intertek. For our outdoor units, the patented heat dump safety feature makes a Fire Chief the most reliable furnace you can buy.</td>
</tr>
<tr>
<td>Reliable Support Network</td>
<td>We partner with our dealer network to provide training and support throughout the season. Fire Chief does not outsource Customer Technical Support services. Our toll free number is answered by trained support team members in St. Louis, Missouri.</td>
</tr>
</tbody>
</table>
**FC300F INDOOR**

Wood & Coal Burning - Tested to UL391

- Heating Area = 1200 sq ft
- Maximum BTUs = 80,000
- Log Size = 22"
- Firebox = 4.8 cubic ft
- Blower Capacity = 490 CFM
- Firebox = 5 year warranty
- Optional Filter Box = 16" x 20" x 1"
- Manual Draft Control
- Pre-wired for easy assembly
- Shipping weight = 320 lbs

**FC450 INDOOR**

Wood & Coal Burning - Tested to UL391

- Heating Area = 1500-2000 sq ft
- Maximum BTUs = 100,000
- Log Size = 22"
- Firebox = 7.1 cubic ft
- Blower Capacity = 1500 CFM
- Firebox = 5 year warranty
- Standard Filter Box = 20" x 25" x 1"
- Bi-metal Thermostat Draft Control
- Pre-wired for easy assembly
- Shipping weight = 505 lbs

**FC500E INDOOR**

Wood & Coal Burning - Tested to UL391

- Heating Area = 1500-2000 sq ft
- Maximum BTUs = 100,000
- Log Size = 22"
- Firebox = 7.1 cubic ft
- Blower Capacity = 1350, 1500, 1800 CFM
- Cast Iron Roller Grates = Lifetime Warranty
- Firebox = 5 year warranty
- Standard Filter Box = 20" x 25" x 1"
- Digital Wall Thermostat Draft Control
- Pre-wired for easy assembly
- Secondary Combustion Chamber
- Shipping weight = 555 lbs

**FC700E INDOOR**

Wood & Coal Burning - Tested to UL391

- Heating Area = 2500-3500 sq ft
- Maximum BTUs = 150,000
- Log Size = 28"
- Firebox = 8.9 cubic ft
- Blower Capacity = 1350, 1500, 1800 CFM
- Cast Iron Roller Grates = Lifetime Warranty
- Firebox = 5 year warranty
- Standard Filter Box = 20" x 25" x 1"
- Digital Wall Thermostat Draft Control
- Pre-wired for easy assembly
- Secondary Combustion Chamber
- Shipping weight = 615 lbs
### FC1100E INDOOR

- **Wood & Coal Burning - Tested to UL391**
- **Heating Area**: 3500-5000 SQ FT
- **Maximum BTUs**: 200,000
- **Log Size**: 34”
- **FIREBOX**: 11.3 Cubic FT
- **Blower Capacity**: 1350, 1500, 1800 CFM
- **Cast Iron Roller Grates**: Lifetime Warranty
- **Standard Filter Box**: 20” x 25” x 1”
- **Digital Wall Thermostat Draft Control**
- **Pre-Wired for Easy Assembly**
- **Secondary Combustion Chamber**
- **Shipping Weight**: 705 LBS

### FC1600D OUTDOOR

- **Wood & Coal Burning - Tested to UL391**
- **Heating Area**: 1000-1500 SQ FT
- **Maximum BTUs**: 100,000
- **Log Size**: 28”
- **FIREBOX**: 5.9 Cubic FT
- **Blower Capacity**: 1800 CFM
- **Firebox**: Limited 5 Year Warranty
- **Manual Draft Control**
- **Pre-Wired for Easy Assembly**
- **Secondary Combustion Chamber**
- **Shipping Weight**: 590 LBS
- **25 FT Flex Heat Duct**

### FC1800D OUTDOOR

- **Wood & Coal Burning - Tested to UL391**
- **Heating Area**: 1500-2500 SQ FT
- **Maximum BTUs**: 140,000
- **Log Size**: 28”
- **FIREBOX**: 8.9 Cubic FT
- **Blower Capacity**: 1800 CFM
- **Firebox**: Limited 5 Year Warranty
- **Digital Wall Thermostat Draft Control**
- **Pre-Wired for Easy Assembly**
- **Secondary Combustion Chamber**
- **Shipping Weight**: 780 LBS
- **25 FT Flex Heat Duct**

### FC2200D OUTDOOR

- **Wood & Coal Burning - Tested to UL391**
- **Heating Area**: 2500-3500 SQ FT
- **Maximum BTUs**: 180,000
- **Log Size**: 34”
- **FIREBOX**: 10.8 Cubic FT
- **Blower Capacity**: 1800 CFM
- **Firebox**: Limited 5 Year Warranty
- **Digital Wall Thermostat Draft Control**
- **Pre-Wired for Easy Assembly**
- **Secondary Combustion Chamber**
- **Shipping Weight**: 865 LBS
- **25 FT Flex Heat Duct**
FURNACE FEATURES

- Wood Grate System
- Prewired Electrical System
- 490 CFM Blower Motor
- Optional Filter Box
- Heavy Gauge Continuously Welded Steel Fire Box
- Manually Controlled Draft System
- Removable Ash Pan

ACCESSORIES

RETURN AIR FILTER BOX
FCFB300
- filter size 16”x20”x1”
- for model 300 only

8” MANUAL BACK DRAFT DAMPER
AM-MD8

8” BACK DRAFT DAMPER
AM-BD8
## FURNACE FEATURES

- Wood Grate System
- Prewired Electrical System
- 1/3 Horsepower 1500 CFM Blower Motor
- Filter Box Standard
- Heavy Gauge Continuously Welded Steel Fire Box
- Bi-Metal Draft Control Damper Provides Automatic Combustion Control

## ACCESSORIES

- 10” BACK DRAFT DAMPER
  - AM-BD10
- 10” GALVANIZED ELBOW
  - SNG90-10
- 10”x 24” GALVANIZED PIPE
  - SNGP24x10

---

### MODEL FC450

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTUs (maximum)</td>
<td>100,000 APPROX.</td>
</tr>
<tr>
<td>HEATING (sq. ft.)</td>
<td>1500-2000</td>
</tr>
<tr>
<td>LOG SIZE</td>
<td>22”</td>
</tr>
<tr>
<td>FIRE BOX VOLUME</td>
<td>7.1 CU. FT.</td>
</tr>
<tr>
<td>BLOWER CAPACITY</td>
<td>1500 CFM</td>
</tr>
<tr>
<td>DOOR SIZE</td>
<td>13” x 14”</td>
</tr>
<tr>
<td>FLUE SIZE</td>
<td>6”</td>
</tr>
<tr>
<td>PLENUM SIZE</td>
<td>10” ROUND</td>
</tr>
<tr>
<td>HEIGHT TO CENTER OF FLUE COLLAR</td>
<td>44.5”</td>
</tr>
<tr>
<td>FILTER SIZE</td>
<td>20&quot; x 25&quot; x 1”</td>
</tr>
<tr>
<td>HEIGHT x WIDTH</td>
<td>50.5” x 26”</td>
</tr>
<tr>
<td>DEPTH (with filter box)</td>
<td>45”</td>
</tr>
<tr>
<td>SHIPPING WEIGHT</td>
<td>505 LBS.</td>
</tr>
<tr>
<td>WARRANTY - FIREBOX</td>
<td>5 YEAR LIMITED</td>
</tr>
<tr>
<td>WARRANTY - GRATES &amp; CASTINGS</td>
<td>5 YEAR LIMITED</td>
</tr>
<tr>
<td>WARRANTY - BLOWER MOTOR</td>
<td>2 YEAR</td>
</tr>
<tr>
<td>MODEL</td>
<td>FC500E</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>BTUs (maximum)</td>
<td>100,000 APPROX.</td>
</tr>
<tr>
<td>HEATING (sq. ft.)</td>
<td>1500-2000</td>
</tr>
<tr>
<td>LOG SIZE</td>
<td>22”</td>
</tr>
<tr>
<td>LOG SIZE</td>
<td>22”</td>
</tr>
<tr>
<td>FIRE BOX VOLUME</td>
<td>7.1 CU. FT.</td>
</tr>
<tr>
<td>DIGITAL THERMOSTAT</td>
<td>INCLUDED</td>
</tr>
<tr>
<td>INDUCTION DRAFT BLOWER</td>
<td>50 CFM</td>
</tr>
<tr>
<td>3-SPEED BLOWER CAPACITY</td>
<td>1350, 1500, 1800 CFM</td>
</tr>
<tr>
<td>DOOR SIZE</td>
<td>13” x 14”</td>
</tr>
<tr>
<td>FLUE SIZE</td>
<td>6”</td>
</tr>
<tr>
<td>PLENUM SIZE</td>
<td>12” ROUND</td>
</tr>
<tr>
<td>HEIGHT TO CENTER OF FLUE COLLAR</td>
<td>44.5”</td>
</tr>
<tr>
<td>FILTER SIZE</td>
<td>20” x 25” x 1”</td>
</tr>
<tr>
<td>HEIGHT x WIDTH</td>
<td>50.5” x 26”</td>
</tr>
<tr>
<td>DEPTH (with filter box)</td>
<td>45”</td>
</tr>
<tr>
<td>SHIPPING WEIGHT</td>
<td>555 LBS.</td>
</tr>
<tr>
<td>WARRANTY - FIREBOX</td>
<td>5 YEAR</td>
</tr>
<tr>
<td>WARRANTY - GRATES &amp; CASTINGS</td>
<td>LIFETIME</td>
</tr>
<tr>
<td>WARRANTY - ELECTRICAL &amp; BLOWER</td>
<td>2 YEAR</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

**WATER COIL WITH HOLE SAW**
TB-24S

**12” GALVANIZED ELBOW**
SNG90-12

**12” BACK DRAFT DAMPER**
AM-BD12

**12” MANUAL BACK DRAFT DAMPER**
AM-MD12

**12”x24” GALVANIZED PIPE**
SNG24X12

**TYPICAL INDOOR FURNACE INSTALLATION**

- OPEN/CLOSE RETURN DAMPERS
  - 3 PLACES
- RETURN AIR DUCT
- BACK DRAFT DAMPERS
- SUPPLY DUCT

800-875-4788  WWW.FIRECHIEFWOODFURNACE.COM
• Best Warranty in the Industry
• 360° Cast Iron Roller Grate
• Prewired Electrical System
• 1/3 Horsepower 3-Speed Blower Motor
• Standard Filter Box
• 7 & 10 Gauge Steel Fire Box
• Secondary Combustion Chamber
• Thermostatically Controlled Draft System

FURNACE FEATURES

A Standard Filter Box (Blower Motor)
B Secondary Combustion Chamber
C 360° Cast Iron Roller Grate
D Induction Draft Blower
E Insulated Sides
## Model FC1600D

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTUs (maximum)</td>
<td>100,000 APPROX.</td>
</tr>
<tr>
<td>Heating (sq. ft.)</td>
<td>1000-1500</td>
</tr>
<tr>
<td>Log Size</td>
<td>28”</td>
</tr>
<tr>
<td>Fire Box Volume</td>
<td>5.9 CU. FT.</td>
</tr>
<tr>
<td>Blower Capacity</td>
<td>1800 CFM</td>
</tr>
<tr>
<td>Door Size</td>
<td>13” x 14”</td>
</tr>
<tr>
<td>Flue Size</td>
<td>6”</td>
</tr>
<tr>
<td>Plenum Size</td>
<td>10” Round</td>
</tr>
<tr>
<td>Cold Air Return</td>
<td>12” Round</td>
</tr>
<tr>
<td>Height</td>
<td>44.5”</td>
</tr>
<tr>
<td>Width</td>
<td>29.5”</td>
</tr>
<tr>
<td>Depth (w/blower housing)</td>
<td>60”</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>590 LBS</td>
</tr>
<tr>
<td>Warranty - Firebox</td>
<td>5 YEAR LIMITED</td>
</tr>
<tr>
<td>Warranty - Electrical Components</td>
<td>1 YEAR</td>
</tr>
<tr>
<td>Warranty - Blower Motor</td>
<td>2 YEAR</td>
</tr>
<tr>
<td>10” Insulated Heat Duct</td>
<td>25 FT.</td>
</tr>
</tbody>
</table>

### Typical Outdoor Furnace Installation

![Diagram of outdoor furnace installation](image)

### Accessories (for all Outdoor units)

- 10” x 24” Galvanized Pipe: SNGP24x10
- 12” x 24” Galvanized Pipe: SNGP24x12
- 10” Galvanized Elbow: SNG90-10
- 12” Galvanized Elbow: SNG90-12

[800-875-4788] [WWW.FIRECHIEFWOODFURNACE.COM]
• Patented Heat Dump
• Prewired Electrical System
• 7 & 10 Gauge Steel Fire Box
• Secondary Combustion Chamber
• 1/3 Horsepower 1800 CFM Blower Motor
• Manually Controlled Draft System
• Laser Cut Grate for Easy Ash Removal
• Optional Return Air Filter Box
<table>
<thead>
<tr>
<th>MODEL</th>
<th>FC1800D</th>
<th>FC2200D</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTUs (maximum)</td>
<td>140,000 APPROX.</td>
<td>180,000 APPROX.</td>
</tr>
<tr>
<td>HEATING (sq. ft.)</td>
<td>1500-2500</td>
<td>2500-3500</td>
</tr>
<tr>
<td>LOG SIZE</td>
<td>28”</td>
<td>34”</td>
</tr>
<tr>
<td>PLENUM SIZE</td>
<td>10” ROUND</td>
<td>10” ROUND</td>
</tr>
<tr>
<td>DIGITAL THERMOSTAT</td>
<td>INCLUDED</td>
<td>INCLUDED</td>
</tr>
<tr>
<td>INDUCTION DRAFT BLOWER</td>
<td>50 CFM</td>
<td>50 CFM</td>
</tr>
<tr>
<td>BLOWER CAPACITY</td>
<td>1800 CFM</td>
<td>1800 CFM</td>
</tr>
<tr>
<td>DOOR SIZE</td>
<td>13” x 14”</td>
<td>13” x 14”</td>
</tr>
<tr>
<td>FLUE SIZE</td>
<td>6”</td>
<td>6”</td>
</tr>
<tr>
<td>FIRE BOX VOLUME</td>
<td>8.9 CU. FT.</td>
<td>10.8 CU. FT.</td>
</tr>
<tr>
<td>HEIGHT x WIDTH</td>
<td>59” x 30”</td>
<td>59” x 30”</td>
</tr>
<tr>
<td>DEPTH (w/blower housing)</td>
<td>59”</td>
<td>65”</td>
</tr>
<tr>
<td>10” INSULATED HEAT DUCT</td>
<td>25 FT.</td>
<td>25 FT.</td>
</tr>
<tr>
<td>COLD AIR RETURN</td>
<td>12” ROUND</td>
<td>12” ROUND</td>
</tr>
<tr>
<td>SHIPPING WEIGHT</td>
<td>780 LBS.</td>
<td>865 LBS.</td>
</tr>
<tr>
<td>WARRANTY - FIREBOX</td>
<td>5 YEAR LIMITED</td>
<td>5 YEAR LIMITED</td>
</tr>
<tr>
<td>WARRANTY - GRATES &amp; CASTING</td>
<td>5 YEAR LIMITED</td>
<td>5 YEAR LIMITED</td>
</tr>
<tr>
<td>WARRANTY - ELECTRICAL &amp; BLOWER</td>
<td>2 YEAR</td>
<td>2 YEAR</td>
</tr>
</tbody>
</table>

**FURNACE FEATURES**

- **A** Secondary Combustion Chamber
- **B** Anchor Plate for Insulated Chimney
- **C** Wood Grates
- **D** 1800 CFM Blower Motor
- **E** Removable Ash Pan with Spin Draft
- **F** Induction Draft Blower
- **G** Durable Powder Coated Weather-Resistant Finish
- **H** Patented Heat Dump
• Patented Heat Dump
• Prewired Electrical System
• 7 & 10 Gauge Steel Fire Box
• Secondary Combustion Chamber
• Thermostatically Controlled Draft System
• 1/3 Horsepower 1800 CFM Blower Motor
• Optional Return Air Filter Box

ACCESSORIES (for all Outdoor units)

- 10” BACK DRAFT DAMPER
  AM-BD10
- 12” BACK DRAFT DAMPER
  AM-BD12
- 10” MANUAL BACK DRAFT DAMPER
  AM-MD10
- 12” MANUAL BACK DRAFT DAMPER
  AM-MD12
- MOBILE HOME KIT
  FCMHK
- 10” STARTER COLLAR
  SNGCLR10
- 8” STARTER COLLAR
  SNGCLR08
- 12” STARTER COLLAR
  SNGCLR12
- RETURN AIR FILTER BOX
  FCOSFB
- 12” x 25” INSULATED FLEX DUCT
  SF12HDK

- filter size 16”x20”x1”
- interior use only
CHIMNEY COVERS

Protect your chimney from cracks and deterioration and keep it free from pests and debris. Single flue and multi-flue available. Superior construction available in Copper, Stainless Steel and Galvanized Steel. Limited lifetime warranty for Copper and Stainless Steel, 7-year warranty on Galvanized Steel.

Custom-Made Chimney Covers also available. Call 1-800-325-7076.

STOVE BOARDS

Protect your floors or walls from intense heat, hot coals and ashes. Use under heating appliances, on the wall behind the appliance, or in front of your fireplace. These UL1618 Type 2 Stove Boards are available in 4 updated patterns.

LOG RACKS & COVERS

Cure your wood to produce maximum BTUs during the heating season. Available in a variety of styles and adjustable sizes, constructed of heavy-duty tubular or 1.25” square 16 gauge steel, with a black powder coat finish. Easy to assemble. Log rack covers also available.
LOG GRATES

Enhance the look and usefulness of your fireplace with these durable cast iron grates. They are offered in a variety of styles and sizes to suit every taste and fireplace size.

FLEX LINER KIT

Highly recommended to protect your home from flue fires and creosote build up, the flex liner kit is made from 7-ply 316 stainless steel to provide superior strength and durability. Rugged construction allows for expansion and contraction during heat up and cool down periods. Limited lifetime warranty.

CLASS “A” CHIMNEY

ShelterPro Chimney is designed to handle temperatures up to 2100°F with superior durability and safety. The inner liner and outer casing are outstanding grade 304 stainless steel, designed to prevent corrosion and keep out moisture. Premium fiber insulation ensures minimal loss of heat. Offered in 6” and 8” diameters and a variety of lengths, includes a lifetime warranty.