Cast Iron Gas-Fired Boilers

Quality Engineered for Efficiency and Dependability

USC Series
The USC Series boilers combine simple, time-proven heat transfer technology with quality components - such as stainless steel burners and cast-iron heat exchangers - delivering years of worry-free performance. With a high energy efficiency rating and maximum installation flexibility, the USC Series boiler is the ideal choice for any home.

Sealed Combustion Technology for Safer, Cleaner Heat
The USC Series boiler draws in outdoor air to mix with fuel in the combustion process. This guarantees consistent air supply and optimizes clean burning. Sealed combustion design not only protects against harmful CO due to poor combustion, but also conserves heated air within the living space.

Installation Flexibility
The USC boiler has a low profile design and can be installed virtually anywhere. The boiler can be placed adjacent to any exterior wall and vented directly outdoors or vented vertically utilizing stainless steel vent pipe. This makes it easy to incorporate the USC into new home construction or as a replacement to an existing boiler. The USC is an ideal choice when converting from electric heat to a hot water system.

Cast Iron Heat Exchanger
The USC utilizes cast-iron construction because of its durability and efficient heat transfer capabilities. Cast-iron sections and push nipples are an integral part of each USC boiler. Using only the highest quality cast iron and heat transfer designs, the USC will provide many years of efficient and trouble-free operation.

Stainless Steel Burners
Corrosion resistant stainless steel burners are incorporated into each USC boiler delivering uniform flame patterns that optimize combustion efficiency and quiet operation.
High Energy Efficiency and Lower Home Heating Costs

With an 87% efficiency rating, the USC boiler offers one of the highest cast iron to Btu heating capacity ratios in the industry. Once the USC boiler is installed, the payback will begin immediately due to reduced energy consumption and lower heating costs. Homeowners may even be eligible for utility rebates, depending on geographic location and energy provider.

Factory Tested, Pre-Wired & Packaged

The USC boiler arrives ready to install. Prior to leaving the factory, nine quality assurance checks ensure trouble-free start-up and performance.

Manufacturer’s Limited Lifetime Warranty

The most straightforward warranty in the industry — limited lifetime warranty to the original homeowner covering the entire heat exchanger — not just sections.

Key USC Boiler Features

- 87% AFUE Efficiency
- Sealed Combustion Technology
- Venting Flexibility - Side Wall or Vertical
- Quiet Operation
- 3 Sizes-Capacities From 50,000 to 140,000 BTU/h
- Reliable Ignition Components
- Made in America
### Standard Equipment
- Boiler jacket, Cast-Iron Heat Exchanger, Limit Control, Removable Transformers, Plug-In Relay, Theraltimeter Gauge, Circulator (Field Mounted), Main Gas Burners, Hot Surface Pilot, A.S.M.E. Relief Valve, Drain Valve, Induced Draft Fan and Safety Pressure Switch, Combination Intake/Exhaust Termination Kit.

*Indicates an ENERGY STAR® product.

### Boilers Specifications

<table>
<thead>
<tr>
<th>Boiler No.</th>
<th>Input Capacity</th>
<th>Net Output</th>
<th>Natural Gas Inlet</th>
<th>Dimensions</th>
<th>Super. &amp; Ret. Tappings</th>
<th>No. of Burners</th>
<th>Shipping Weight</th>
<th>AFUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>*USC3</td>
<td>50,000 (14.7 KW)</td>
<td>44,000 (12.9 KW)</td>
<td>38,000 (11.1 KW)</td>
<td>1/2” (1.27 cm)</td>
<td>15/8” (38 cm)</td>
<td>3/4” (9 cm)</td>
<td>3/4” (9 cm)</td>
<td>5” (12.7 cm)</td>
</tr>
<tr>
<td>*USC4</td>
<td>100,000 (29.3 KW)</td>
<td>87,000 (25.5 KW)</td>
<td>76,000 (22.3 KW)</td>
<td>1/2” (1.27 cm)</td>
<td>19” (48 cm)</td>
<td>3/4” (9 cm)</td>
<td>3/4” (9 cm)</td>
<td>6 1/4” (16.5 cm)</td>
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<tr>
<td>*USC5</td>
<td>140,000 (41.0 KW)</td>
<td>122,000 (35.7 KW)</td>
<td>107,000 (31.3 KW)</td>
<td>1/2” (1.27 cm)</td>
<td>22/8” (58 cm)</td>
<td>4/8” (11 cm)</td>
<td>4/8” (11 cm)</td>
<td>8 3/8” (21.3 cm)</td>
</tr>
</tbody>
</table>

### Dimensions

For altitudes above 2,000 ft. ratings should be reduced at the rate of 4% for each 1,000 ft. above sea level.

For equivalent square feet of radiation, divide I=B=R output by 150.

All boilers are design certified for installation on non-combustible floors. For installation on combustible floors, use combustible floor kit.

This boiler is a Direct Vent Designed Certified appliance which requires a special horizontal through-the-wall venting system.

### Termination Kit Illustrations

Only HEAT-FAB®, SAF-T-VENT®, FLEX-I® STAR-34®, PRO-TECH®, FaSeal®, and Z-FLEX® Z-VENT® venting material products shall be used. A condensate tee/drain is only needed when horizontal vent lengths exceed 10 feet or for vertical venting.

Consult venting addendum for maximum vent lengths and proper configurations.

### Explanation Notes

Electrical service to be 120 Volts, 15 Amps, 50 Hz.

MEA#131-01-E

### Your Assurance Of Quality

Utica Boilers products are designed, tested, and assembled to ensure that you receive the very best in home heating comfort, and value. Each product meets or exceeds all recognized safety, performance efficiency standards.

P.O. Box 4729
Utica, New York 13504
Tel. 315-797-1310
Fax 866-432-7329
E-mail: sales@uticaboilers.com
Web Site: www.uticaboilers.com

USA Contractor Assistance: 800-325-5479