TRIAD BOILER SYSTEMS, INC.
SERIES 900 SPACE HEAT and DOMESTIC HOT WATER BOILER

Note: Dimensions subject to change without notice.
TRIAD BOILER SYSTEMS, INC.
SERIES 900 BOILER (Model 900 SH-C-DHW)

The Series 900 is a steel vertical firetube packaged boiler with a water-backed combustion chamber equipped with high-efficiency turbulators. Boilers come fully wired, and fit through a 32” doorway.

**STANDARD EQUIPMENT:**
- Forced Draft Burner (UL Listed)
- Circulating Pump – Vessel Water
- Circulating Pump – Coil Water
- Honeywell Control Centers for SH and DHW
- Low Water Cut-Off
- Combination Pressure/Temperature Gauge
- Operating Light
- Relief Valve
- Second Safety High Limit with Manual Reset
- Vessel Pressure Rating of 125 PSI

**OPTIONAL EQUIPMENT:**
- Gas Fired (NG or Propane), Oil Fired, or Dual Fuel Burners
- UL, IRI, FM and CSD-1 Compliance
- Low-High, Low-High-Low and Modulating Gas Trains
- Sealed Combustion Air Intake
- Barometric Dampers
- LWCO with Manual or Auto Reset, Test Light, and/or Test Button
- UL Listed Boiler/Burner Package.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Input BTU/Hr</th>
<th>Output BTU/Hr</th>
<th>Efficiency</th>
<th>GPM @ °F Rise</th>
<th>GPM @ °F Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>600,000</td>
<td>508,800</td>
<td>84.8%</td>
<td>50.8 @ 20°F</td>
<td>10.2 @ 100°F</td>
</tr>
<tr>
<td>700,000</td>
<td>589,400</td>
<td>84.2%</td>
<td>58.9 @ 20°F</td>
<td>11.8 @ 100°F</td>
</tr>
<tr>
<td>800,000</td>
<td>664,800</td>
<td>83.1%</td>
<td>66.7 @ 20°F</td>
<td>13.3 @ 100°F</td>
</tr>
<tr>
<td>900,000</td>
<td>746,100</td>
<td>82.9%</td>
<td>59.6 @ 25°F</td>
<td>14.9 @ 100°F</td>
</tr>
<tr>
<td>1,000,000</td>
<td>822,000</td>
<td>82.2%</td>
<td>66.7 @ 25°F</td>
<td>16.5 @ 100°F</td>
</tr>
</tbody>
</table>

Note: Typical for Natural Gas. - Oil or LP burner data may vary.

**APPLICATIONS:**
- Space Heating and Process Water – typically 130°F - 210°F
- Domestic Hot Water – typically 120°F - 180°F

**CLEARANCES & CONNECTIONS:**
- Clearance needed between boilers 6” (36” center to center) and 8” from front of burner for service.
- Vessel supply & return diameters – 2.0”; coil supply & return diameters – 1.5”

**CONTROL:**
- The Series 900 can operate on its own controls, but a TRIAD microprocessor control panel is recommended for sequencing more than two boilers to minimize run-time and fuel usage.

**FLUE:**
- Category 1 when properly applied.

**POWER:**
- 120V, 60Hz, Single Phase, fused for 30 amps. Min / Max gas pressure, typically 5.6” / 14” WC

**WEIGHT/VOLUME:**
- Shipping Weight – 1,300 lbs.
- Operating Weight - 1,922 lbs.
- Vessel Water Volume – 75 Gallons

Factory built copper or steel mains available upon request.