TRIAD BOILER SYSTEMS, INC.
SERIES 1600 SPACE HEAT and DOMESTIC HOT WATER BOILER

Note: Dimensions subject to change without notice.
TRIAD BOILER SYSTEMS, INC.
SERIES 1600 BOILER (Model 1600 SH-C-DHW)

The Series 1600 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 36” doorway.

STANDARD EQUIPMENT:
- Low/High/Off Power Burner (UL Listed)
- Circulating Pump – Vessel Water
- Circulating Pump – Coil Water
- Honeywell Control Centers for SH and LT
- 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
- UL Listed Boiler/Burner Package.

OPTIONAL EQUIPMENT:
- Gas Fired (NG or Propane), Oil Fired, or Dual Fuel Burners
- UL, IRI, FM and CSD-1 Compliance
- 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

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>Vessel Side</td>
<td></td>
<td></td>
<td>Vessel Side</td>
<td>Coil Side</td>
</tr>
<tr>
<td>1,400,000</td>
<td>1,162,800</td>
<td>83.0%</td>
<td>116.7 @ 20°F</td>
<td>16.5 @ 100°F</td>
</tr>
<tr>
<td>1,500,000</td>
<td>1,245,000</td>
<td>83.0%</td>
<td>100.0 @ 25°F</td>
<td>16.5 @ 100°F</td>
</tr>
<tr>
<td>1,600,000</td>
<td>1,328,000</td>
<td>83.0%</td>
<td>106.7 @ 25°F</td>
<td>16.5 @ 100°F</td>
</tr>
<tr>
<td>1,700,000</td>
<td>1,411,000</td>
<td>83.0%</td>
<td>113.3 @ 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 – typically 130°F - 210°F
- Domestic Hot Water – typically 120°F - 180°F

CLEARANCES & CONNECTIONS:
- Clearance recommended between boilers - 6”; From front of burner for service – 10”
- Supply & Return Openings – 2.00”

CONTROL:
- The Series 1600 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 I when applied appropriately.

POWER: 120V, 60Hz, Single Phase, fused for 30 amps. Min / Max gas pressure, typically 5.9” / 14” WC

WEIGHT/VOLUME:
- Shipping Weight – 1700 lbs.
- Operating Weight – 3037 lbs.
- Water Volume – 109 gallons

ALL BURNER EQUIPMENT UL APPROVED

TRIAD BOILER REPRESENTATIVE:

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